Pioneers in AV Distribution

AV Connectivity Solutions

Autumn/Winter 2011

Contents

Audience Range – Audio Products **5**
Elector Range – Switcher Products **21**
Orbit Range – Matrix Products **35**
Puma Range – CAT5e/CAT6 Products **45**
Quantum – Distribution Amplifiers **71**
Relay – Extenders and Repeaters **81**
Synergy – Format Converters & Scalers **85**
Xaminer – Test & Analysis Equipment **95**
Professional Range – SDI & HDMI Over Fiber Optic Products **101**
Digital Signage Range – Video Walls & Control Systems **111**

www.cypeurope.com

Company

Our vision is simple, to deliver market leading connectivity solutions that enhance the capability of Audio Visual products in any installation environment. Our continued dedication and focus has made CYP the market leader in connectivity solutions for both systems integrators and professional installers throughout Europe.

At our core is over 25 years experience and 75 R&D engineers focused on ensuring all CYP solutions deliver the most robust and versatile performance possible using advanced firmware and the latest industry chipsets. This, in addition to our unrivaled product range and full time UK based technical support team ensures all of our partners have complete confidence when specifying CYP in a wide range of AV installations.

www.cypeurope.com

OUT
L
R
CP-III

Audience

The CYP Audience range offers practical solutions for audio conversion and distribution within any AV installation. Products in the range include digital to analogue converters (DAC's), switching devices and audio breakout from HDMI. These products offer real world solutions for both the audio enthusiast and professional installer alike.

www.cypeurope.com

v1.3 HDMI Audio Embedder with built in Repeater

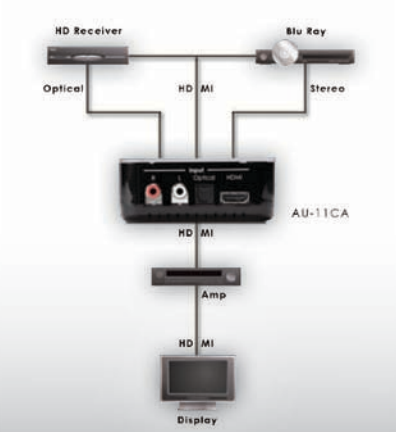
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The AU-11CA Audio Embedder lets you insert an external audio signal into any HDMI source. The device allows you to insert analogue or digital stereo and multi-channel digital surround sound signals (via Optical) to give users the capability to overcome complex HDMI installation. The AU-11CA also repeats the HDMI signal to allow an extended total HDMI cable range.

FEATURES

- Compliant with HDMI v1.3 , HDCP 1.2 and DVI 1.0
- Supports Optical Sample Rate up to 96 kHz
- Supports LPCM Stereo, DTS and Dolby Digital via Optical input
- Supports up to 24bit resolution digital audio
- HDMI cable distance testing showed that with 1080p 8bit/12bit resolution, the input/output distance is up to 10 meters
- Low power consumption
- Supports HDMI Sample Rates up to 192 kHz
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RCA (1x Analogue Stereo (L/R)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
PSU:	5V/1.2A
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	440g
Net. Weight:	260g
Packaging:	Retail Packaged

v1.3 HDMI Audio De-embedder (5.1) with built in repeater

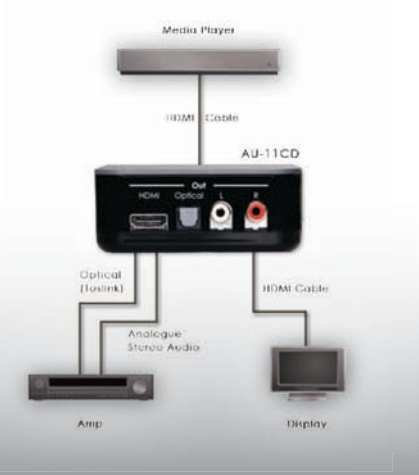
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The AU-11CD is an advanced solution for repeating HDMI with integrated Audio de-embedding, up to 5.1. Connect the AU-11CD between your source and display via HDMI, and select the audio format required.

FEATURES

- Compliant with v1.3 HDMI, HDCP 1.2 and DVI 1.0
- Supports HDMI Sample Rates up to 192 kHz
- Supports Optical Sample Rate up to 48 kHz
- Supports TMDS clock frequency rate 225MHz
- Supports high-bit-rate (HBR) audio
- Input and Output HDMI cable length can run up to 10m at 1080p 8bit resolution
- Low power consumption
- Support built-in audio EDID switch of LPCM2, 5.1/7.1 or Bitstream
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM), 2x RCA (1x Analogue Stereo (L/R))
PSU:	5V/1.2A
Dimensions:	90mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	440g
Net. Weight:	260g
Packaging:	Retail Packaged

v1.3 HDMI Audio De-embedder with built in Repeater

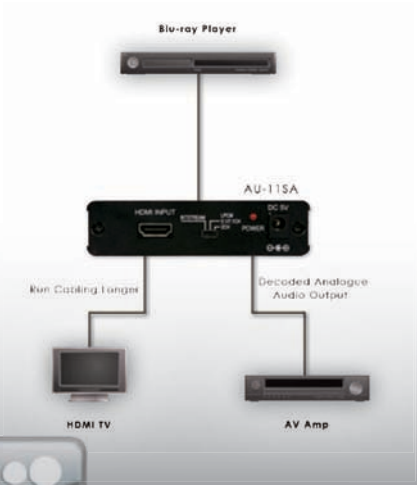
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The AU-11SA is an advanced solution for HDMI to HDMI repeating with Audio de-embedding. Its compatible with v1.3 HDMI specifications, a cutting edge technology which defines the transfer of deep colour (12-bit) video with a high bandwidth of up to 225Mhz. Connect to source and display (HDMI), select the required audio format and output your audio format to your amplifier.This device has advanced firmware allowing audio to be de-embedded without the need to connect the HDMI display (no sink-end required).

FEATURES

- Compliant with v1.3 HDMI, HDCP 1.1 and DVI 1.1 standards
- HDMI audio de-embedder with built in repeater
- Supports un-compressed digital LPCM 7.1, 5.1 or 2 channels and compressed digital Bitstream (Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio) through HDMI input and output ports
- Output resolution follows input resolution. Video pass though, no scaling
- HDMI signal amplification and equalisation
- Supports LPCM 7.1, 5.1 or 2 channels output through multichannel analogue output ports
- Supports CEC bypass
- Supports digital Dolby 5.1/2 and LPCM 2 channels output through optical output
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

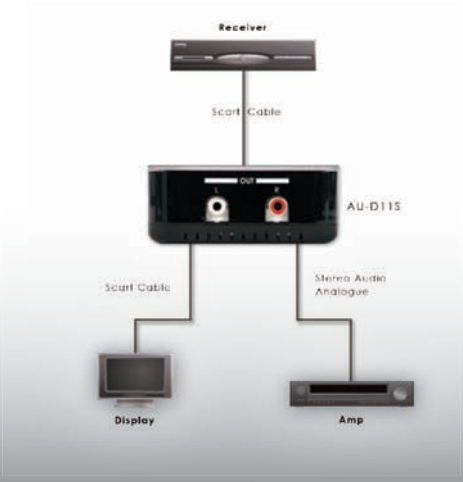
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Stereo(L/R)), 1x Stereo mini-jack (1x LowFrequencyEffect(LFE) & Front Centre(FC)), 1x Stereo mini-jack (1x RearLeft(RL) & RearRight(RR)), 1x Stereo mini-jack (1x RearLeftCentre(RLC) & RearRightCentre(RRC)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 146mm (D) x 25mm (H)
Gross Weight:	780g
Net. Weight:	500g
Packaging:	Retail Packaged

SRS TruVolume™ - SCART Volume Control Processor

The AU-D11S SCART Volume Control Processor regulates TV-channel volume to your own comfortable audio level, preventing annoying audio fluctuations, especially during commercials or whilst channel surfing. This product will output the video and processed audio via SCART, whilst simultaneously outputting the same processed audio via analogue audio RCA connections. This is perfect for sending the processed audio to both the screen and a second location, such as an analogue audio amplifier.

FEATURES

- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once, to enjoy television, music and all other content without annoying volume fluctuations
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable
- Simple switched operation "On / Off"
- Line Level inputs up to 2Vrms and Line Level outputs up to 1Vrms
- Input via SCART, outputs via SCART and stereo RCA jacks
- Boosts low and high frequency content dynamically (20 bands/channel) using an advanced psychoacoustic modelling engine, making the entire listening experience come alive, regardless of the audio level
- SCART video signal bypassed to SCART output



SPECIFICATIONS

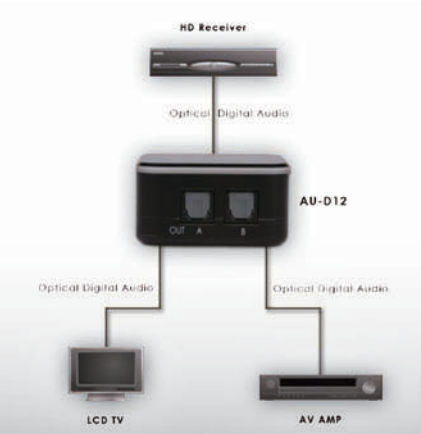
Input:	1x Scart (1x Analogue Audio - Composite & Stereo Audio / RGB (c-sync) & Stereo Audio)
Output:	1x Scart (1x Analogue Audio - Composite & Stereo Audio / RGB (c-sync) & Stereo Audio), 2x RCA (1x Analogue Audio - Stereo (L/R))
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	400g
Net. Weight:	220g
Packaging:	Retail Packaged

2-Way Digital Optical Audio Splitter

The AU-D12 is a digital audio splitter with one Optical (Toslink) input to two Optical (Toslink) outputs, which maintains a reliable and loss-less audio signal transmission.

FEATURES

- 1:2 Optical (Toslink) Distribution Amplifier
- Supports S/PDIF standard of digital audio transmission
- Amplifies Optical (Toslink) output, extending another 5 metres
- Accepts Uncompressed 2-channel LPCM (Linear Pulse Code Modulation) & Compressed 2-channel and multi-channel Dolby and DTS audio signal
- Electromagnetic noise-free transmission



SPECIFICATIONS

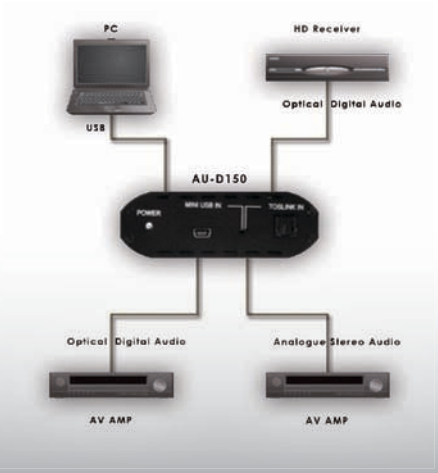
Input:	1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	2x Toslink (2x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	200g
Net. Weight:	140g
Packaging:	Retail Blister Pack

Advanced USB/Optical to 2 phono Converter (DAC)

USB/Optical Digital Audio Converter (DAC) will convert a digital audio signal to analogue, whilst simultaneously outputting a digital optical signal. It is designed for easy installation of USB or optical sources and can be powered by USB or via the included PSU. The optical output can be linked with an amplifier or any sound system with optical SPDIF input, whilst the analogue stereo output can be connected to a TV or amplifier/speakers, for a simultaneous analogue stereo output.

FEATURES

- USB 2.0 full speed compatible
- USB/Optical Digital Audio Converter (DAC)
- USB audio device class specification v1.0 Compatible
- Optical sampling rate supports up to 192 kHz, 24 bit
- USB Audio Support - High performance 16-bit Stereo, 48/44.1 kHz sampling rate
- Low power consumption
- USB or PSU powered (PSU supplied)
- Simultaneous analogue & optical stereo output



SPECIFICATIONS

Input:	1x Toslink (1x Optical - 2 Channel LPCM), 1x USB Mini B (1x USB Audio / USB Power)
Output:	1x Toslink (1x Optical - 2 Channel LPCM), 2x RCA (1x Analogue Audio - Stereo (L/R))
Power:	5V/1.2A DC - PSU Supplied or USB Cable Powered
Dimensions:	25mm (W) x 120mm (D) x 90mm (H)
Gross Weight:	560g
Net. Weight:	380g
Packaging:	Retail Packaged

Professional USB Digital Audio Converter (DAC) with Integrated Headphone Amplifier

The AU-D160 Professional Digital Audio Converter enables high resolution digital audio streaming from a PC source via high speed USB 2.0. This device will output digital audio via it's optical connection, whilst simultaneously converting the digital input signal to analogue (L/R Stereo) for connection to an AV amplifier. This professional DAC also incorporates an integrated Headphone Amplifier allowing the user to directly connect their headphones and enjoy high resolution, high sample rate audio. All audio signals are outputted simultaneously allowing ultimate flexibility when integrating PC/Mac audio signals into an AV installation.

FEATURES

- Supports sampling rates: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz and 192kHz
- 16 and 24 bit resolution
- Support for Windows and MAC OS
- Analogue Stereo, Digital Optical and Headphone outputs operate simultaneously
- USB input provides power as well as audio stream
- 500 MIPS, 8 threads, XS1-L1 processor
- ASIO driver support

SPECIFICATIONS

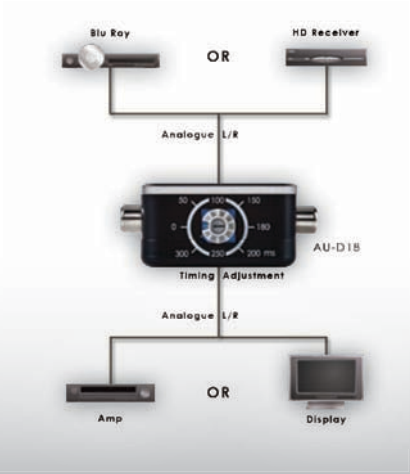
Input:	1x USB Mini B (1x USB Audio)
Output:	1x Toslink (1x 2 Channel LPCM), 1x Jack (1x Headphone), 2x RCA (1x Analogue Stereo (L/R))
Power:	USB powered
Dimensions:	85mm (W) x 90mm (D) x 35mm (H)
Gross Weight:	380g
Net. Weight:	180g
Packaging:	Retail Packaged

Adjustable Stereo Lip Sync Corrector

The AU-D18 analogue stereo Lip Sync Corrector is a small device for correcting audio lip sync issues. This solution features a manually adjustable timing selector dial which can be adjusted so that the users may fine tune the timing of the audio so that it is in sync with the video signal, overcoming any annoying sound mismatch to the display or amplifier.

FEATURES

- Lip Sync corrector with adjustable delay between 0 & 300ms
- Sample Rate: 48 kHz
- Analogue to analogue signal bypass
- Up to 24 bit resolution
- Low power consumption



SPECIFICATIONS

Input:	2x RCA (1x Analogue Stereo (L/R))
Output:	2x RCA (1x Analogue Stereo (L/R))
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	140g
Packaging:	Retail Packaged

Digital Audio Coaxial to Toslink Converter

The AU-D2 is a versatile digital audio converter, either coaxial to optical or optical to coaxial. Simply select one of the digital audio inputs for two identical audio signals in both output formats.

FEATURES

- Digital Audio Coaxial/Optical by-directional Converter
- Two-way conversion; Coaxial to Optical or Optical to Coaxial
- Supports amplification of digital audio and extends the transferring distance through coaxial and/or optical cables
- Inputs accept audio signals from 2-channel PCM to 5.1. Output signal follows input signal
- Select between input ports, and distribute the audio signal to both Coaxial and Optical output ports simultaneously

SPECIFICATIONS

Input:	1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

2 Way Digital Optical Audio Switcher

The AU-D21 is a Optical (Toslink) switcher, select between two Optical (Toslink) sources to one Optical (Toslink) output & maintains a reliable and loss-less audio signal transmission.

FEATURES

- 2:1 Optical (Toslink) Switcher
- Supports S/PDIF standard of digital audio transmission
- Amplifies digital Optical (Toslink) output, extending another 5 metres
- Accepts uncompressed 2-channel LPCM (Linear Pulse Code Modulation) & compressed
- 2-channel and multi-channel Dolby and DTS audio signal
- Electromagnetic noise-free transmission

SPECIFICATIONS

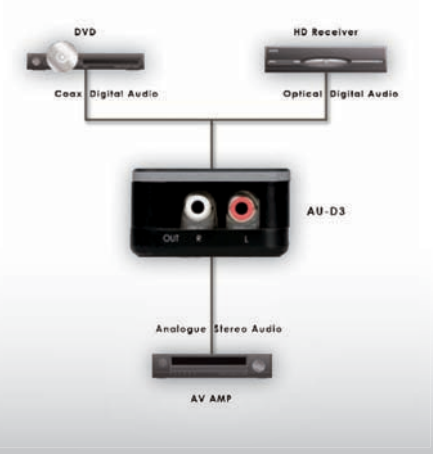
Input:	2x Toslink (2x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	200g
Net. Weight:	140g
Packaging:	Retail Blister Pack

Digital Audio to Left/Right Stereo Audio Converter (DAC)

The AU-D3 is designed to convert the selected signal, either Coaxial or Optical, and convert from the digital stereo signal to analogue stereo audio. This unit is particularly useful when connecting digital TV's to analogue amplifiers.

FEATURES

- Digital Audio to Left/Right Stereo Audio Converter (DAC)
- Integrated digital interpolator filter
- Supports digital audio signal (Coaxial/Toslink) input and analogue audio signal (L/R) output
- Accepts uncompressed digital stereo audio input
- Accepts 32, 44.1, 48 and 96kHz sample rates



SPECIFICATIONS

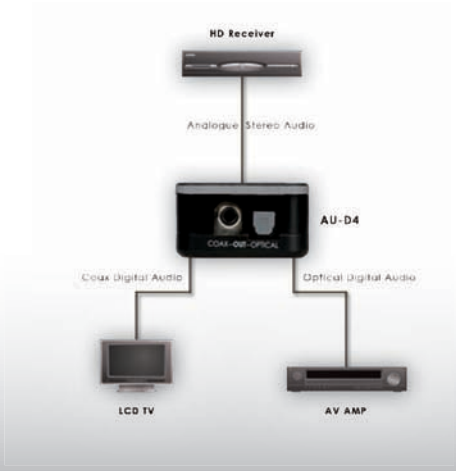
Input:	1x RCA (1x Coaxial 2 Channel LPCM), 1x Toslink (1x Optical 2 Channel LPCM)
Output:	2x RCA (1x Analogue Stereo (L/R))
Power:	5V/1.2A DC (US/EU standards, CE/FCC/ UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25m (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

Analogue to Digital Audio Converter

The AU-D4 is designed to convert analogue stereo audio to Digital Coaxial and Optical (Toslink) outputs simultaneously.

FEATURES

- Analogue to Digital Audio Converter (ADC)
- Uncompressed 2-channel LPCM digital audio signal output
- Amplifies digital Optical (Toslink) output, extending another 5 metres
- Output sampling rate: 48kHz
- Electromagnetic noise-free transmission



SPECIFICATIONS

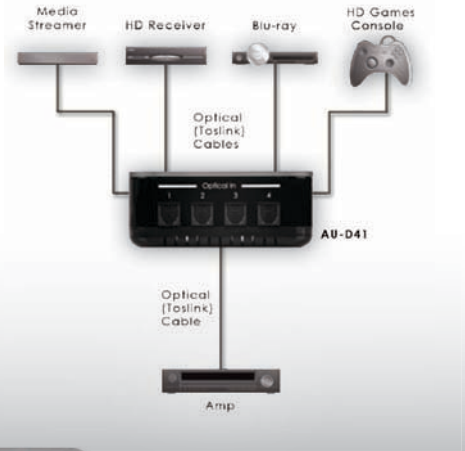
Input:	2x RCA (1x Analogue Stereo (L/R))
Output:	1x RCA (1x Coaxial 2 Channel LPCM), 1x Toslink (1x Optical 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

4 Way Optical Audio Switcher (with IR remote)

The AU-D41 Optical Audio Switcher has four optical inputs and one optical output. This device allows users with up to four optical sources, the ability to switch between sources whilst connected to one output display or amplifier. All signals are bypassed without delay. This device has 'last memory function' and an IR remote control for convenient use.

FEATURES

- 4 input digital optical audio switcher
- Optical sampling rate supports up to 192 kHz
- Up to 24bit resolution
- Low power consumption
- PCM2, AC3/5.1, Dolby 5.1 & DTS 5.1 pass through
- Amplifies Optical (Toslink) output, extending a further 5 metres



SPECIFICATIONS

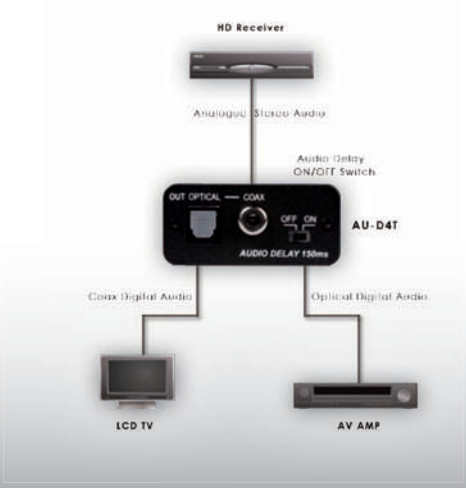
Input:	4x Toslink (4x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	400g
Net. Weight:	200g
Packaging:	Retail Packaged

Analogue to Digital Audio Converter (with Audio Delay)

The AU-D4T is designed to convert analogue stereo audio to digital Coaxial and Optical (Toslink) outputs simultaneously with the addition of a fixed Audio delay.

FEATURES

- Audio delay technology provides a 150ms delay on audio output for the user to adjust lip sync (or A/V sync)
- Uncompressed 2-channel LPCM (Linear Pulse Code Modulation) digital audio signal output
- Amplifies digital Optical (Toslink) output, extending another 5 metres
- Output sampling rate: 48kHz
- Simple switched operation ON/OFF
- Electromagnetic noise-free transmission
- Analogue to Digital Converter (ADC)



SPECIFICATIONS

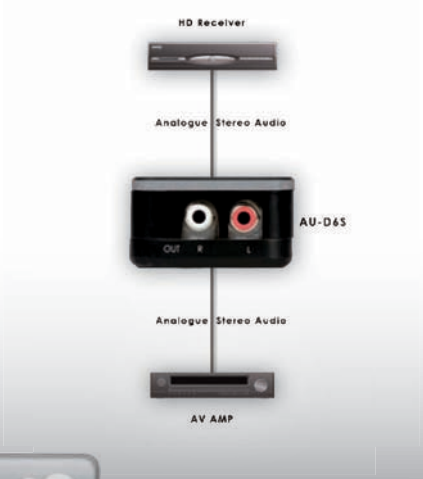
Input:	2x RCA (1x Analogue Stereo (L/R))
Output:	1x Toslink (1x Optical 2 Channel LPCM), 1x RCA (1x Coaxial 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

SRS TruVolume™ - Volume Control Processor

The AU-D6S Volume control, regulates TV-channel volume to your own comfortable audio level, preventing annoying audio fluctuations whilst channel surfing, also taming those obnoxious commercials.

FEATURES

- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once to enjoy television, music and all other content without volume fluctuations.
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable.
- Simple switched operation "On / Bypass".
- Line Level inputs up to 2Vrms and Line Level outputs up to 1Vrms, via stereo RCA jacks.
- Boosts low and high frequency content dynamically (20 bands/channel) using an advanced psycoacoustic modelling engine, making the entire listening experience come alive, regardless of the audio level.



SPECIFICATIONS

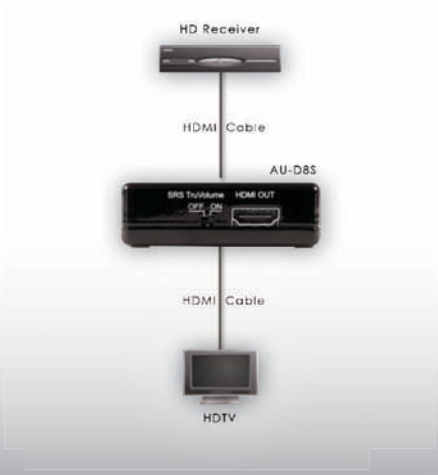
Input:	2x RCA (1x Analogue Stereo (L/R))
Output:	2x RCA (1x Analogue (Processed) Stereo (L/R))
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

SRS TruVolume™ - HDMI Volume Control Processor

The AU-D8S HDMI Volume control, regulates TV-channel volume to your own comfortable audio level, preventing annoying audio fluctuations, especially during commercials or whilst channel surfing.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant:
- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once to enjoy television, music and all other content without annoying volume fluctuations
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable
- Simple switched operation "On / Off"
- HDMI signal amplification and equalisation for improved signal transmission
- Video signal is bypassed through the AU-D8S and is not processed, output resolution follows input
- HDCP compliant and supports CEC bypass
- Supports 3D signals



SPECIFICATIONS

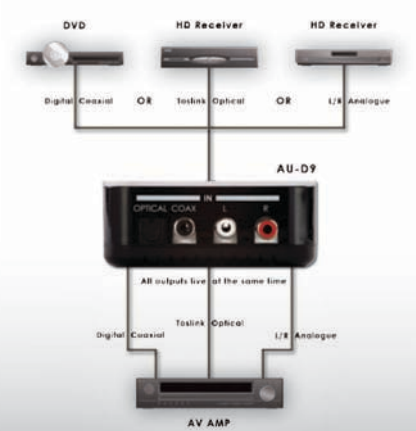
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	62mm (W) x 100mm (D) x 20mm (H)
Gross Weight:	280g
Net. Weight:	220g
Packaging:	Retail Packaged

Bi-directional Digital/Analogue Audio Converter (DAC)

The AU-D9 is a versatile audio converter allowing users to convert analogue audio into digital or digital audio into analogue. It can simultaneously output in all 3 audio formats without any signal loss.

FEATURES

- Bi-directional Digital/Analogue Audio Converter
- Three-way conversion Coaxial to Optical & Analogue Optical to Coaxial & Analogue
- Analogue to Optical & Coaxial
- Integrated digital interpolator filter and Digital-to-Analogue Converter (DAC)
- Accepts uncompressed digital stereo audio input
- Supports sample rates from 16 to 100kHz
- Simultaneously digital & analogue audio outputs
- Provides electromagnetic-noise-free transmission
- Integrated Analogue-to-Digital Converter (ADC)



SPECIFICATIONS

Input:	1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM), 1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 2x RCA (1x Analogue Stereo (L/R))
Output:	1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM), 1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 2x RCA (1x Analogue Stereo (L/R))
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	95m (W) x 85mm (D) x 35mm (H)
Gross Weight:	420g
Net. Weight:	200g
Packaging:	Retail Packaged

Elector

The CYP Elector range offers an extensive range of HDMI switches with 2 to 8 inputs for enhanced source integration. Selected models offer additional benefits including independent audio, dual video outputs, de-interlacing, and CEC Auto switch control functions.

www.cypeurope.com

v1.3 HDMI 2-Way Switcher

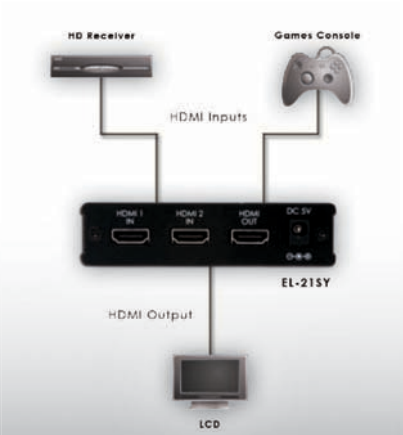
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The EL-21SY switcher accepts two HDMI inputs and allows the user to switch between two input sources to provide a single HDMI output for connection to the HDMI display. This switcher has an auto-detect function which will switch the unit when a source which is powered 'On'. Alternatively, the input can be selected manually using the input selection button on the device.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 2-way Switcher.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- Auto-switch design.
- Supports 'Deep Colour' (10, 12, & 16 bit).
- Supports 3D signals



SPECIFICATIONS

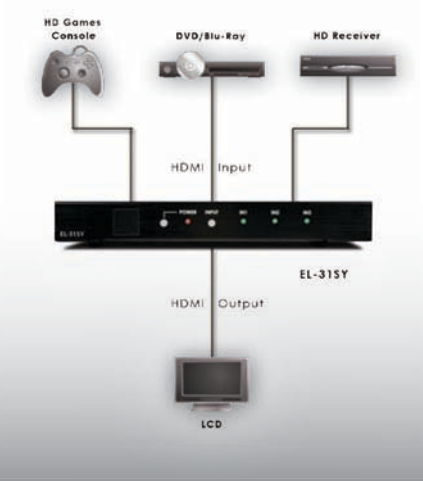
Input:	2x HDMI (2x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	101mm (W) x 92mm (D) x 25mm (H)
Gross Weight:	520g
Net. Weight:	380g
Packaging:	Retail Packaged

v1.3 HDMI 3-Way Switcher

The EL-31SY switcher allows the user to input three HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 3-way Switcher
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200)
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- IR Remote Control
- Supports 'Deep Colour' (10, 12 & 16 bit)
- LED indicators
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	3x HDMI (3x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	200mm (W) x 105mm (D) x 32mm (H)
Gross Weight:	640g
Net. Weight:	420g
Packaging:	Boxed

EL-41AT

v1.3 HDMI & Digital Audio 4-way Switcher

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The EL-41AT is a 4-way HDMI switcher which allows the user to switch between four HDMI sources via the supplied IR remote, RS-232, or manually using the input selection button on the device. This switcher supports independent digital audio on all HDMI inputs and outputs.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI & Digital Audio 4-way Switcher
- Resolutions Supported
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920 x 1200)
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p 24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- IR Remote Control & RS-232
- Supports 'Deep Colour' (10, 12 & 16 bit)
- Coaxial (RCA) and Optical (Toslink) I/O
- Supports xvYCC
- Supports 3D signals

SPECIFICATIONS

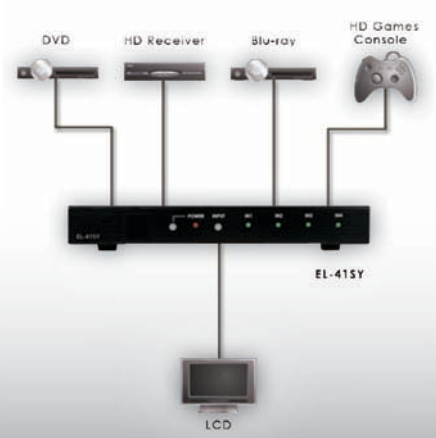
Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 4x RCA (4x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 4x Toslink (4x Optical DTS / Dolby Digital / 2 Channel LPCM), 1x 9pin Dsub (1x RS-232 Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	960g
Net. Weight:	640g
Packaging:	Retail Packaged

v1.3 HDMI 4-Way Switcher

The EL-41SY switcher allows the user to input four HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4-way Switcher
- Resolutions Supported
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200)
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- IR Remote Control
- Supports 'Deep Colour' (10, 12 & 16 bit)
- LED indicators
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	4x HDMI (4x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V DC/1.2A (US/EU standards, CE/FCC/UL certified)
Dimensions:	201mm (W) x 104mm (D) x 25mm (H)
Gross Weight:	640g
Net. Weight:	420g
Packaging:	Boxed

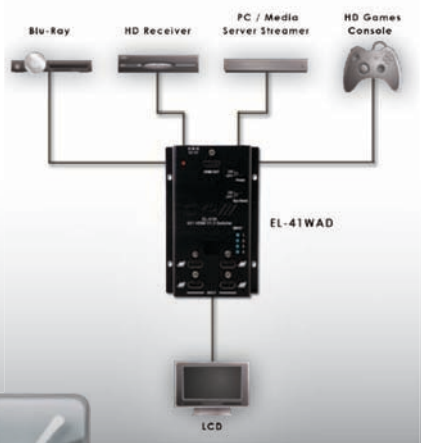
EL-41WAD

v1.3 HDMI 4-Way Mountable Switcher

The EL-41WAD switcher allows the user to input four HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device. The EL-41WAD has additional features of wall mountings and a system reset function that will reset the display, every 10 minutes, to a designated source.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 to 1 Mountable Switcher
- Resolutions Supported
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- IR remote control
- Supports 'Deep Colour' (10 & 12 bit)
- Supports xvYCC and CEC Bypass
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input
- Supports 3D signals



SPECIFICATIONS

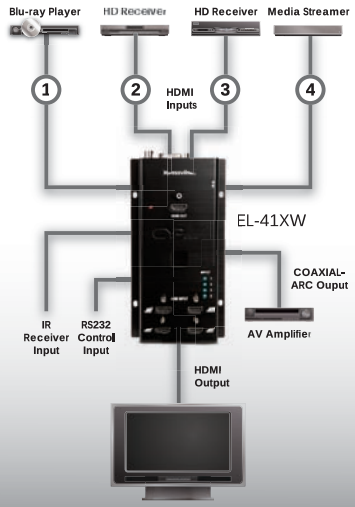
Input:	4x HDMI (4x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	93mm (W) x 148mm (D) x 31mm (H)
Gross Weight:	560g
Net. Weight:	420g
Packaging:	Boxed

v1.4 Xpressview™ HDMI Wall Mountable 4-Way Switcher

The EL-41WX is an advanced wall mountable 4-Way Switcher with v1.4 HDMI Xpressview™ technology, which improves source switching time to less than 1 second, and includes Audio Return Channel (ARC) via HDMI. The system supports all 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Colour. This solution also supports the HDCP repeater function and also includes an IR remote control.

FEATURES

- HDMI 1.4, HDCP 1.4 and CEC1.4 compliant
- HDMI 1.4 support: Audio Return Channel (ARC), 3D TV support, CEC1.4
- Fast switching on all HDMI input ports
- On Screen Display (OSD) with system info and controls
- Supports HDCP repeater
- Supports Deep Colour (10 and 12bit)
- Resolution supported: : 480i to 1080p plus 1080p24fps
- HD audio supported: PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1, DD+, D-TrueHD, DTS-HD
- Supports 3D signals



SPECIFICATIONS

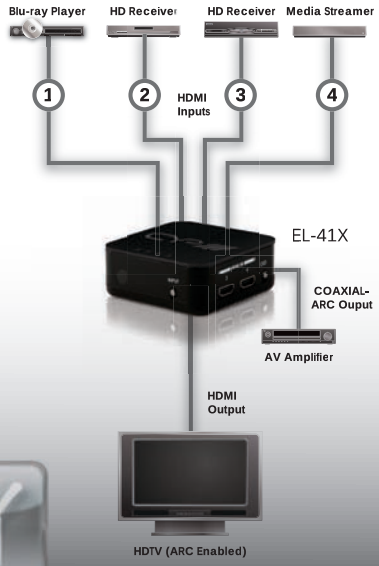
Inputs:	4 x HDMI (4 x HDMI Uncompressed AV and Data) 1 x 9pin Dsub (1 x RS-232 Data) 1 x Stereo mini-jack (1x Infrared Receiver 1 x USB Mini B (1x USB Power)
Outputs:	1 x HDMI (1 x HDMI Uncompressed AV and Data) 1 x RCA (1 x COAX 2 Channel LPCM)
PSU:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	95mm (W) x 30mm (D) x 185mm (H)
Net Weight:	340g
Gross Weight:	580g
Packaging:	Boxed

v1.4 Xpressview™ HDMI 4-Way Switcher

The EL-41X is an advanced 4-Way Switcher with v1.4 HDMI Xpressview™ technology, which improves source switching time to less than 1 second, and includes Audio Return Channel (ARC) via HDMI. The system supports all 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Colour. This solution also supports the HDCP repeater function and also includes an IR remote control.

FEATURES

- HDMI 1.4, HDCP 1.4 and CEC1.4 compliant
- Fast switching on all HDMI input ports
- On Screen Display (OSD) with system info and controls
- Supports HDCP repeater
- Supports Deep Colour (10 and 12bit)
- Resolution supported: : 480i to 1080p plus 1080p24fps
- HD audio supported: : PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1, DD+, D-TrueHD, DTS-HD
- Supports 3D signals



SPECIFICATIONS

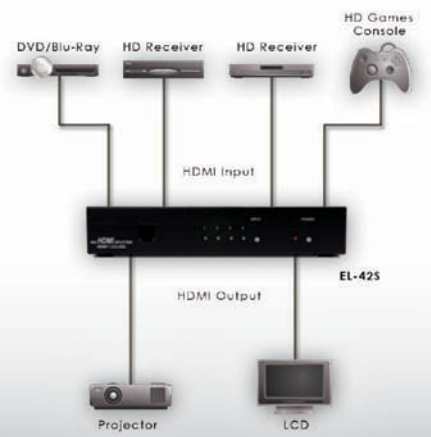
Input:	4 x HDMI (4 x HDMI Uncompressed AV and Data) 1 x USB Mini B (1x USB Power)
Output:	1 x HDMI (1x HDMI Uncompressed AV and Data) 1 x RCA (1 x COAX 2 Channel LPCM)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	420g
Net. Weight:	240g
Packaging:	Boxed

v1.3 HDMI 4-Way Switcher with 2 Identical Outputs

The EL-42S switcher allows the user to input four HDMI sources and switch between these sources to display HD content on 2 displays. This switcher can be controlled via the supplied remote control, RS-232, or by using the input switching button on the front of the device.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 Way Switcher with 2 Identical Outputs.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- Supports 'Deep Colour' (10, 12 & 16 bit).
- Supports 3D signals



SPECIFICATIONS

Input:	4x HDMI (4x HDMI Uncompressed AV and Data)
Output:	2x HDMI (2x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 104mm (D) x 50mm (H)
Gross Weight:	820g
Net. Weight:	600g
Packaging:	Boxed

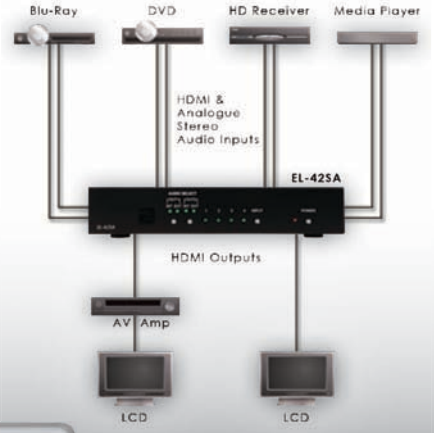
EL-42SA

v1.3 HDMI 4 by 2 Switcher with Analogue Audio Routing

The EL-42SA is a 4 HDMI in, 2 HDMI out switcher which features additional analogue audio inputs for each of the four HDMI inputs. It has dual HDMI output which can be separately configured for audio routing, either internal (HDMI audio) or external (analogue stereo audio). The device can be controlled via the supplied remote control or by using the input switching button on the front of the device.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 Way Switcher with 2 Identical Outputs and audio routing
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200)
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- RS232 & IR Remote Control
- Supports 'Deep Colour' (10 & 12 bit)
- Additional analogue stereo audio inputs for routing to HDMI outputs
- Dual HDMI outputs for simultaneous connection to two HD Displays
- Supports 3D signals



SPECIFICATIONS

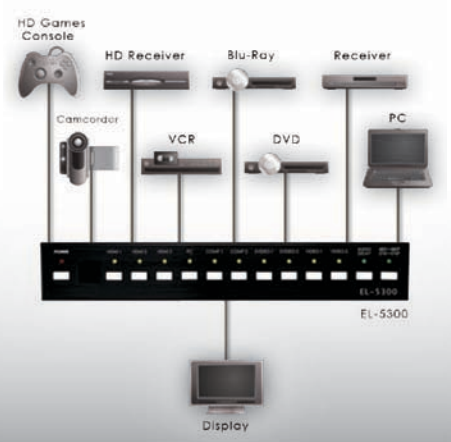
Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 8x RCA (4x Analogue Audio - Stereo (L/R)), 1x 9pin Dsub (1x RS-232 Data)
Output:	2x HDMI (2x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 111mm (D) x 50mm (H)
Gross Weight:	900g
Net. Weight:	640g
Packaging:	Boxed

Multimedia Converter, De-interlacer & Switcher

The EL-5300 will convert, de-interlace & Switch all your analogue and digital devices to HDMI. All standard definition inputs can be de-interlaced for compatibility with all HDMI displays and supports up to 16 bit Deep Colour together with High Definition audio.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- Multimedia Converter, De-Interlacer & Switcher
- Resolutions supported:
  - PC - VGA to SXGA @ 60Hz;
  - HDTV 480i to 1080p plus 1080p24fps
- Accepts a variety of analogue/digital video & audio inputs
- Format conversion from 480i/576i to 480p/576p (de-interlaced)
- RS-232 & IR remote Control
- HDMI I/O Supports 'Deep Colour' (10 & 12 bit)
- Supports 150ms audio delay - NOTE: This feature will not function when input is from HDMI source
- 3D noise reduction (DNR) & Comb Filtering
- Supports 3D signals



SPECIFICATIONS

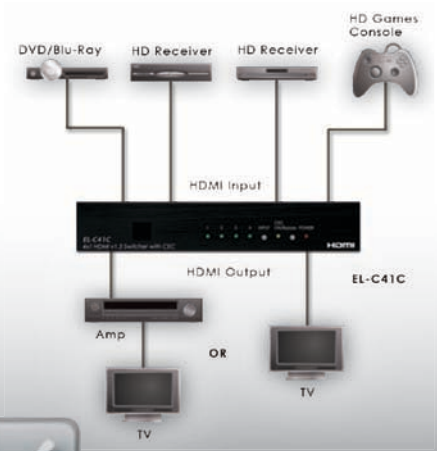
Input:	3x HDMI (3x HDMI (bypass) - Uncompressed AV and Data), 2x RCA (2x Composite), 2x S-video plug (2x S-video), 8x RCA (4x Analogue Stereo (L/R)), 6x RCA (2x YCbCr Component / YPbPr Component), 1x 15pin Dsub (1x Analogue RGBHV), 1x Stereo mini-jack (1x Analogue (PC) Stereo(L/R)), 1x 9pin Dsub (1x RS-232 Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 150mm (D) x 48mm (H)
Gross Weight:	1340g
Net. Weight:	940g
Packaging:	Retail Packaged

v1.3 HDMI 4-Way Switcher with CEC Control

The EL-C41C switcher allows the user to input four HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device. The EL-C41C also features a CEC command function allowing the device to Auto-Switch on source power up.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4-Way Switcher with CEC Control
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- RS-232 & IR Remote Control
- CEC Auto switch control function
- Supports 'Deep Colour' (10 & 12 bit)
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

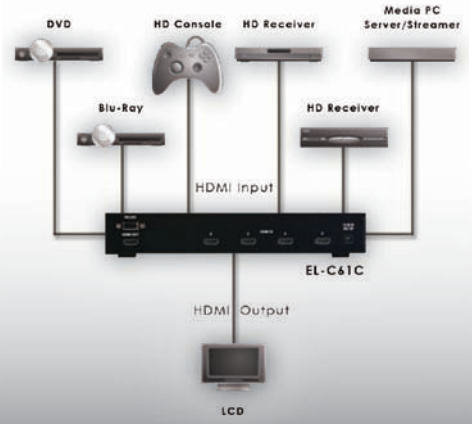
Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	760g
Net. Weight:	500g
Packaging:	Boxed

v1.3 HDMI 6-Way Switcher with CEC Control

The EL-C61C switcher allows the user to input six HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device. The EL-C61C also features a CEC command function allowing the device to Auto-Switch on source power up.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 6-Way Switcher with Consumer Electronics Control (CEC)
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal enhancement feature can improve signal quality after long distance transmission
- RS-232 & IR Remote Control
- CEC Auto switch control function
- Supports 'Deep Colour' (10 & 12 bit)
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	6x HDMI (6x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	760g
Net. Weight:	540g
Packaging:	Boxed

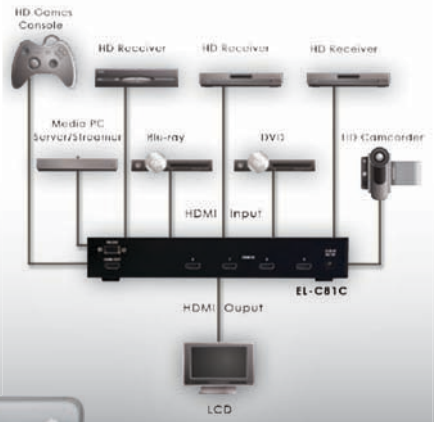
EL-C81C

v1.3 HDMI 8-Way Switcher with CEC Control

The EL-C81C switcher allows the user to input eight HDMI sources and switch between these sources to provide a single HDMI output to a display. This switcher can be controlled via the supplied remote control or by using the input switching button on the front of the device. The EL-C81C also features a CEC command function allowing the device to Auto-Switch on source power up.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant:
- HDMI 8-Way Switcher with Consumer Electronics Control (CEC):
- Resolutions Supported: PC - VGA, SVGA, XGA, SXGA, UXGA. HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps:
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM:
- Auto signal enhancement feature can improve signal quality after long distance transmission:
- RS-232 & IR Remote Control:
- CEC Auto switch control function:
- Supports 'Deep Colour' (10 & 12 bit):
- Supports xvYCC:
- Supports 3D signals:



SPECIFICATIONS

Input:	8x HDMI (8x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	280mm (W) x 115mm (D) x 45mm (H)
Gross Weight:	760g
Net. Weight:	540g
Packaging:	Boxed

Orbit

The CYP Orbit range of matrix products are considered the ultimate one-box switch and distribution system, allowing independent or multi-source switching to each display. Solutions are available in HDMI and Component Video formats. HDMI over CAT5e and CAT6 Matrix products are also available from the Puma Range.

www.cypeurope.com

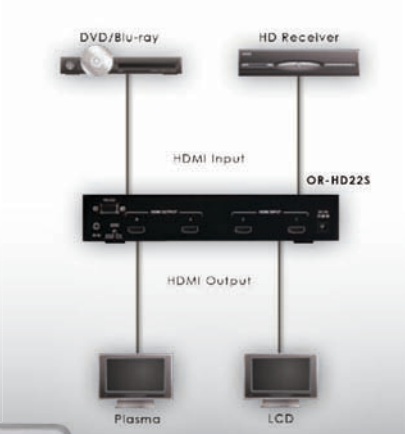
OR-HD22S

v1.3 HDMI 2 x 2 Matrix Switcher

The OR-HD22S Matrix Switcher connects two HDMI sources to two displays allowing either source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 2 x 2 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

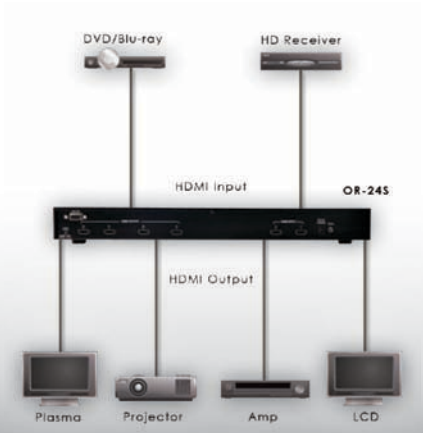
Input:	1x Stereo mini-jack (1x IR IN Infrared Receiver), 1x 9pin Dsub (1x RS-232 RS-232 Data), 2x HDMI (2x HDMI Uncompressed AV and Data)
Output:	2x HDMI (2x HDMI Uncompressed AV and Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 165mm (D) x 48mm (H)
Gross Weight:	1180g
Net. Weight:	880g
Packaging:	Boxed

v1.3 HDMI 2 x 4 Matrix Switcher

The OR-HD24S Matrix Switcher connects two HDMI sources to four displays allowing either source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 2 x 4 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	2x HDMI (2x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 RS-232 Data), 1x Stereo mini-jack (1x IR IN Infrared Receiver)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2140g
Net. Weight:	1760g
Packaging:	Boxed

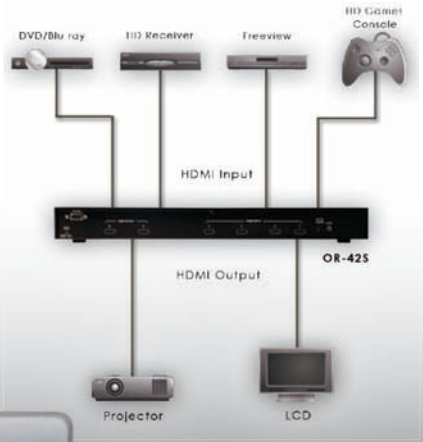
OR-HD42S

v1.3 HDMI 4 x 2 Matrix Switcher

The OR-HD42S Matrix Switcher connects four HDMI sources to two displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 x 2 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signa
- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 RS-232 Data), 1x Stereo mini-jack (1x IR IN Infrared Receiver)
Output:	2x HDMI (2x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/ UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2140g
Net. Weight:	1760g
Packaging:	Boxed

v1.3 HDMI 4 x 4 Matrix Switcher (Explorer Chipset)

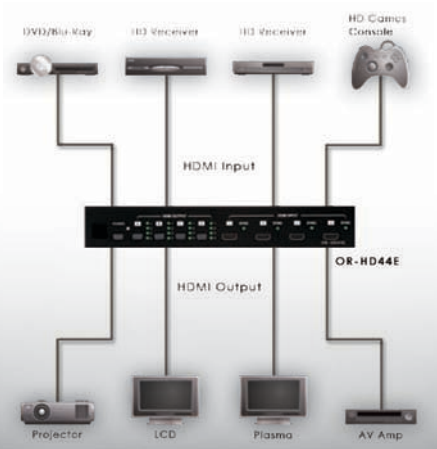
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The OR-HD44E Matrix Switcher connects four HDMI sources to four displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 x 4 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is re-timed and level compensated
- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power & Sync plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 RS-232 Data), 1x Stereo mini-jack (1x IR In Infrared Receiver)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 140mm (D) x 25mm (H)
Gross Weight:	1820g
Net. Weight:	1500g
Packaging:	Boxed

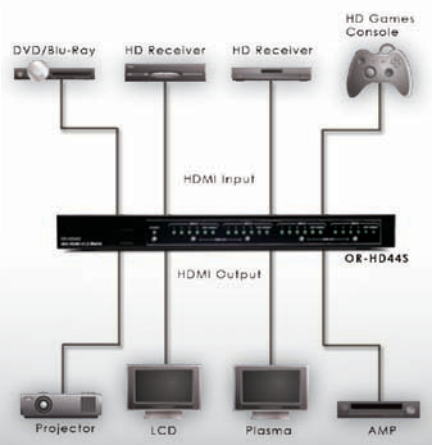
OR-HD44S

v1.3 HDMI 4 x 4 Matrix Switcher

The OR-HD44S Matrix Switcher connects four HDMI sources to four displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 x 4 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports 3D signals



SPECIFICATIONS

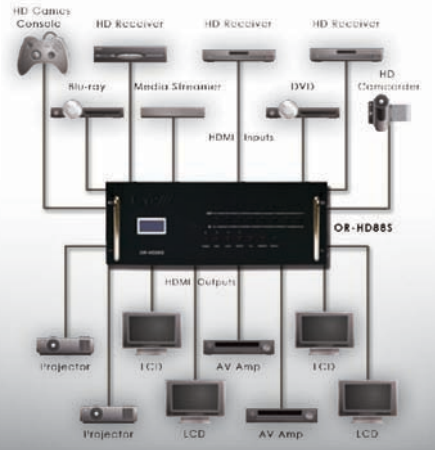
Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 RS-232 Data), 1x Stereo mini-jack (1x IR In Infrared Receiver)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2180g
Net. Weight:	1800g
Packaging:	Boxed

v1.3 HDMI 8 x 8 Matrix Switcher

The OR-HD88S Matrix Switcher connects eight HDMI sources to eight displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- HDMI 8x8 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA ; HDTV - 480i to 1080p + 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio + LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal running up to 15m at 1080p
- RS-232 and IR remote control (Master & Zoned), plus IR extender
- Supports Deep Colour (10 bit) and xvYCC
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Recall, Memory & Key Lock function
- 4U 19" Rack mounted on sliding track for easy access
- Supports 3D signals



SPECIFICATIONS

Input:	8x HDMI (8x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x IR In Infrared Receiver), 1x USB Mini B (1x USB Service Propriety Data), 2x 9pin Dsub (2x RS-232 Data)
Output:	8x HDMI (8x HDMI Uncompressed AV and Data)
Power:	24V/6.25A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	482mm (W) x 325mm (D) x 176mm (H)
Gross Weight:	13400g
Net. Weight:	10500g
Packaging:	Boxed

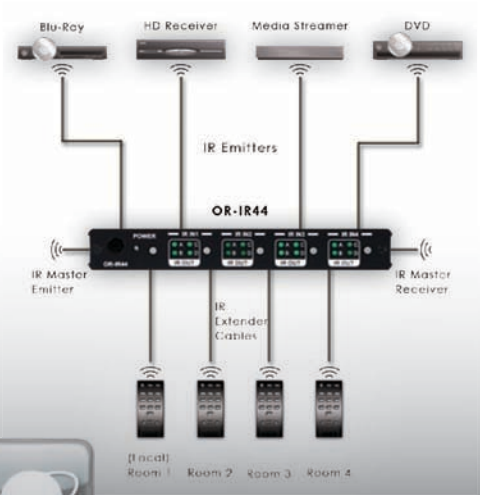
OR-IR44

Infrared 4 x 4 Matrix Switcher

The OR-IR44 infrared matrix is designed for controlling up to four sources from four display locations, using the original source remote controls or universal remote controls. A true matrix design allows any of the four inputs to be routed to any (or all) of the IR outputs giving full independent source to screen control. This solution also has an additional master input and output. In addition to the user-defined settings of the matrix, all incoming signals are routed to the master output, and all master input signals are routed to all of the outputs. A 5-eye emitter can be connected to the master output, giving the ability to control all four sources, plus an AV matrix.

FEATURES

- Infrared 4 x 4 Matrix with additional master input & output
- Supports independent and total IR receiver and IR blaster selection and control
- Only infrared signals are supported. This product does not send any AV signals
- Supports 20 kHz ~ 70 kHz IR frequency:
- Use your existing remote controls



SPECIFICATIONS

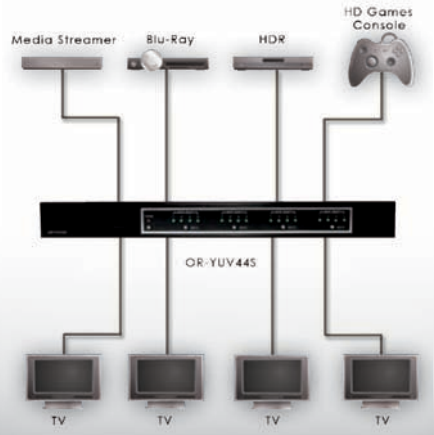
Input:	1x Stereo mini-jack (1x IR Master Input - Infrared Receiver), 4x Stereo mini-jack (4x IR inputs - Infrared Receiver)
Output:	4x Stereo mini-jack (4x IR Output - Infrared Emitter), 1x Stereo mini-jack (1x IR Master Output - Infrared Emitter)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	180mm (W) x 125mm (D) x 25mm (H)
Gross Weight:	1120g
Net. Weight:	900g
Packaging:	Boxed

4 x 4 Component Matrix Switcher with Digital Audio

The OR-YUV44S is a high performance Component Video with Digital/Analogue Audio Matrix. Each of the four HDTV audio/video sources can be directed to any one of the four outputs or all four displays can show one identical input source at the same time.

FEATURES

- Provides 4 x 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R stereo & Coaxial digital audio signal
- Component 4 x 4 Matrix Switcher with Digital Audio
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p
- Analogue stereo audio & Coaxial digital audio supporting PCM stereo, Dolby Digital & DTS
- Buffered video and audio output
- IR remote control plus RS-232 control
- Input source LED indicators on each output select



SPECIFICATIONS

Input:	12x RCA (4x YCbCr Component / YPbPr Component), 4x RCA (4x Digital Audio 2 Channel LPCM / DTS / Dolby Digital), 1x 9pin Dsub (1x RS-232 RS-232 Data), 8x RCA (4x Analogue Stereo (L/R))
Output:	12x RCA (4x YCbCr Component / YPbPr Component), 4x RCA (4x Digital Audio 2 Channel LPCM / DTS / Dolby Digital), 8x RCA (4x Analogue Stereo (L/R))
Power:	12V/1.25A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 125mm (D) x 48mm (H)
Gross Weight:	1540g
Net. Weight:	1120g
Packaging:	Boxed

CAT6 OUT

Puma

CYP have developed an industry leading range of HDMI over CAT 5e / 6 distribution solutions. Allowing for greater installation flexibility the CYP Puma solutions offer various single and dual HDMI over CAT 5e / 6 options to send HD and proprietary data signals over extended distances. Autumn 2011 see's the launch of new HDbaseT solutions to the range, featuring 5-Play convergence which integrates HDMI, IR, RS-232, PoE and LAN signals over a single CAT 5e / 6 cable.

www.cypeurope.com

PU-103-KIT

v1.3 HDMI over CAT5e/6 Extender Set

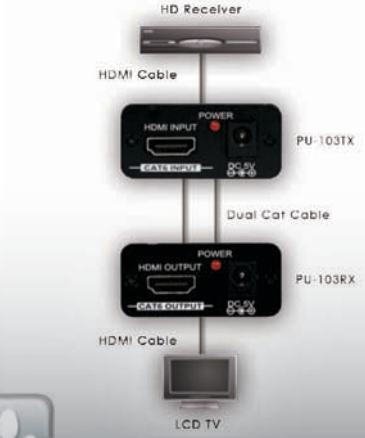
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-103-KIT is a Transmitter and Receiver set which extends HDMI signals over Twin CAT5e/6 cabling up to 40m.For even longer distances, the PU-108 repeater can be used, and this can also be cascaded up to three layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Extender Set
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5e and CAT-6 cables. CAT-6 is recommended for better performance
- Supports CEC functions
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	
(Transmitter)	1x HDMI (1x HDMI Uncompressed AV and Data)
(Receiver)	2x RJ45 (1x HDMI & Propriety Data)
Output:	
(Transmitter)	2x RJ45 (1x HDMI & Propriety Data)
(Receiver)	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 70mm (D) x 25mm (H)
Gross Weight:	860g
Net. Weight:	(TX) 80g (RX) 80g
Packaging:	Boxed

v1.3 HDMI over CAT5e/6 Extender Set (Self Powered Receiver)

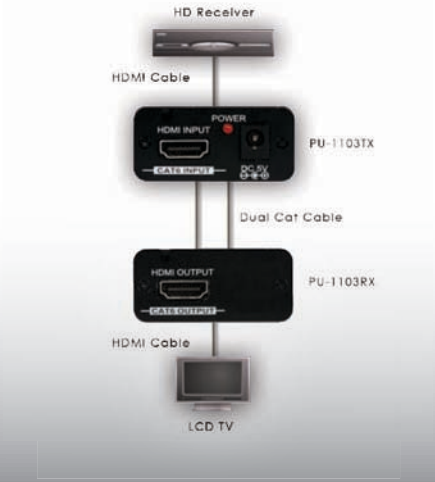
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1103-KIT HDMI over Twin CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 40m. For even longer distances, also use the PU-108 repeater, which can be cascaded up two layers. The PU-1103 receiver unit does not require local power (power is received through the DDC CAT5e/6 cable from the transmitter).

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Extender Set with self powering receiver
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance
- Supports CEC functions
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	
(Transmitter)	1x HDMI (1x HDMI Uncompressed AV and Data)
(Receiver)	2x RJ45 (1x HDMI & Propriety Data)
Output:	
(Transmitter)	2x RJ45 (1x HDMI & Propriety Data)
(Receiver)	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 70mm (D) x 30mm (H) each
Gross Weight:	520g
Net. Weight:	(TX) 100g (RX) 100g
Packaging:	Boxed

PU-106-KIT

v1.3 HDMI over CAT5e/6 Extender Set with IR Pass-through

The PU-106-KIT is a Transmitter and Receiver set which extends HDMI signals over Twin CAT5e/6 cabling up to 40m. This device also allows you to use your existing Remote Control to control your device with the included IR Receiver & Blaster.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Extender Set
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance
- Supports CEC functions & IR blaster
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signal

SPECIFICATIONS

Input:	
(Transmitter)	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter)
(Receiver)	2x RJ45 (1x HDMI & Propriety Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	
(Transmitter)	1x HDMI (1x HDMI Uncompressed AV and Data)
(Receiver)	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	
(Transmitter)	5V/2.6A DC
(Receiver)	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	(TX) 77mm (W) x 70mm (D) x 35mm (H) (RX) 80mm (W) x 70mm (D) x 30mm (H)
Gross Weight:	(RX) 320g (TX) 380g
Net. Weight:	760g
Packaging:	Boxed

v1.3 HDMI over CAT5e/6 Transmitter with IR Blaster

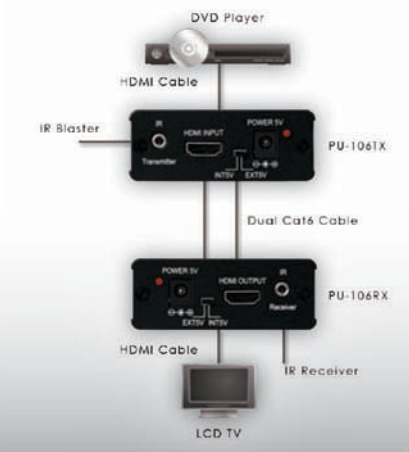
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-106TX allows you to transmit your HDMI source over Twin CAT6 cabling infrastructure. Use your existing Remote Control to control your device with the included IR Blaster. The PU-106TX transmitter solution is for use with the PU-106RX receiver, PU-22HC Cascader, PU-Q1C4H 1 to 4 Splitter, and the PU-Q1C8H 1 to 8 Splitter.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Transmitter with IR Emitter Output
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions & IR blaster
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter)
Output:	2x RJ45 (1x HDMI & Propriety Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	77mm (W) x 70mm (D) x 35mm (H)
Gross Weight:	480g
Net. Weight:	380g
Packaging:	Boxed

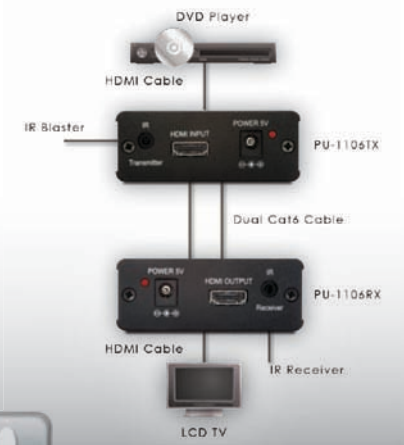
PU-1106-KIT

v1.3 HDMI over CAT5e/6 Extender Set with IR Pass-through

The PU-1106-KIT is a Transmitter and Receiver set which extends HDMI signals over Twin CAT5e/6 cabling up to 40m. For even longer distances, the PU-108 repeater can be used, and this can also be cascaded up to another 40m. This device also allows you to use your existing Remote Control to control your device with the included IR Receiver & Blaster.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Extender Set
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.:
- Supports CEC functions & IR blaster
- CAT I/O can run up to 40m @ 1080p8bit video and can be extended with the PU-108 CAT repeater
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	
(Transmitter)	1x HDMI (1x HDMI Uncompressed AV and Data)
(Receiver)	2x RJ45 (1x HDMI & Propriety Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	
(Transmitter)	2x RJ45 (1x HDMI & Propriety Data), 1x Stereo mini-jack (1x Infrared Emitter)
(Receiver)	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	(TX) 5V/1.2A DC (RX) 5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	(TX)80mm (W) x 72mm (D) x 30mm (H)(RX) 80mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	840g
Net. Weight:	(TX) 340g (RX) 320g
Packaging:	Boxed

v1.3 HDMI over CAT5e/6 Transmitter with IR Blaster

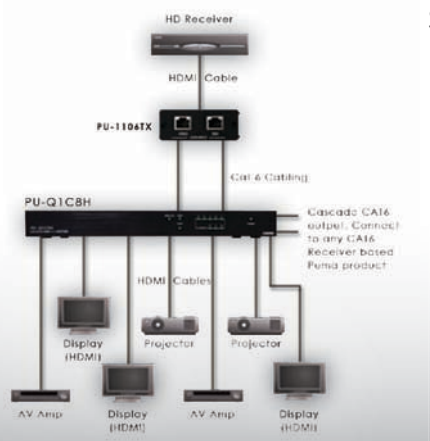
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1106TX Transmitter allows you to extend HDMI signals over Twin CAT6 cabling infrastructure and use your existing Remote Control to control your source device with the included IR Blaster. The PU-1106TX is specifically designed to be used with the PU-1106RX Receiver, and the PU-Q1C4H and PU-Q1C8H Splitters.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- v1.3 HDMI over CAT6 Transmitter with IR Blaster
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance
- Supports CEC functions & IR Receiver
- CAT I/O can run up to 40m @ 1080p8bit video and can be extended with the PU-108 CAT repeater
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	2x RJ45 (1x HDMI & Propriety Data), 1x Stereo mini-jack (1x Infrared Emitter)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	920g
Net. Weight:	760g
Packaging:	Boxed

PU-1106RX

v1.3 HDMI over CAT5e/6 Receiver with IR Receiver

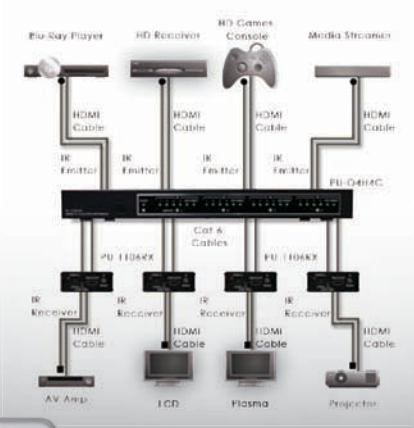
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1106RX Receiver allows you to extend HDMI signals over Twin CAT6 cabling infrastructure and use your existing Remote Control to control your source device with the included IR Receiver. The PU-1106RX is specifically designed to be used with the PU-1106TX, PU-106TX Transmitters, and the PU-Q1H4C and PU-Q1H8C Splitters.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- v1.3 HDMI over CAT5e/6 Receiver with IR Receiver:
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance:
- Supports CEC functions & IR Receiver
- CAT I/O can run up to 40m @ 1080p8bit video and can be extended with the PU-108 CAT repeater
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

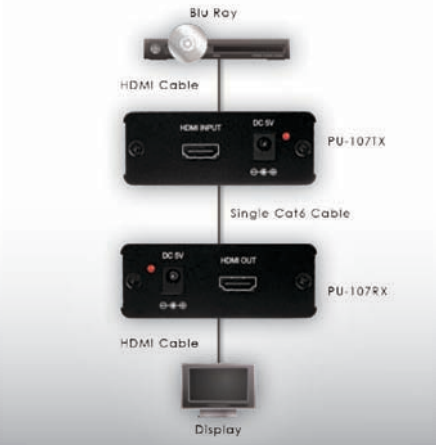
Input:	2x RJ45 (1x HDMI & Propriety Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 70mm (D) x 30mm (H)
Gross Weight:	400g
Net. Weight:	320g
Packaging:	Boxed

Pure digital v1.3 HDMI over Single CAT6 Transmitter and Receiver set

The PU-107-KIT can send and receive a pure digital v1.3 HDMI signal over a Single CAT6 cable up to 40m. This device supports HD Audio & 'Deep Colour' and 3D signals.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- Pure digital v1.3 HDMI over single CAT6 transmitter and receiver set
- Resolution supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC bypass
- Supports xvYCC
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports 'Deep Colour' (10 & 12 bit)
- Supports 3D signals



SPECIFICATIONS

PU-107TX	
Inputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Outputs	1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Net Weight:	280g
PU-107RX	
Inputs	1x RJ45 (1x HDMI & Propriety Data)
Outputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Net Weight:	280g
Gross Weight:	760g
Packaging:	Boxed

PU-107TX

Pure digital v1.3 HDMI over Single CAT6 Transmitter

The PU-107TX can transmit a pure digital v1.3 HDMI signal over a Single CAT6 cable allowing HD Audio & 'Deep Colour' support. This Transmitter unit is designed to be used with the PU-107RX to extend HDMI to a single screen.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- Pure digital v1.3 HDMI over single CAT6 Transmitter
- Resolution supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC bypass
- Supports xvYCC
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports 'Deep Colour' (10 & 12 bit)
- Supports 3D signals

SPECIFICATIONS

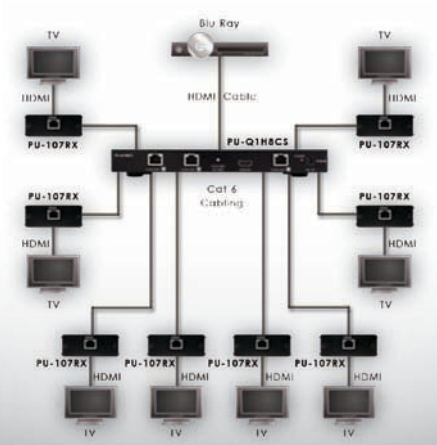
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Gross Weight:	380g
Net. Weight:	280g
Packaging:	Boxed

Pure digital v1.3 HDMI over Single CAT6 Receiver

The PU-107RX can receive a pure digital v1.3 HDMI signal over a Single CAT6 cable allowing HD Audio & 'deep colour' support. This Receiver unit is designed to be used with the PU-107TX to extend HDMI to a single screen, and the PU-Q1H8CS Splitter for converting the splitters' single CAT6 outputs, back to HDMI for connection to your displays.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- Pure digital v1.3 HDMI over single CAT6 Receiver
- Resolution supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC bypass
- Supports xvYCC
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports 'Deep Colour' (10 & 12 bit)
- Supports 3D signals



SPECIFICATIONS

Input:	1x RJ45 (1x HDMI & Propriety Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Gross Weight:	380g
Net. Weight:	280g
Packaging:	Boxed

Pure digital v1.3 HDMI over Single CAT6 Extender Set with Repeater Function

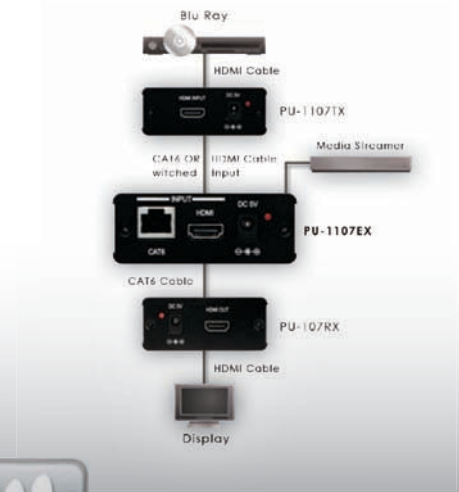
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1107-KIT is an uncompressed Pure Digital solution to extend HDMI signals via a Single CAT6 cable. The PU-1107-KIT extender set can be used with the PU-1107EX Repeater to extend the HDMI signal over Single CAT6 up to a total of 80m (40m either side of the repeater).

FEATURES

- v1.3 HDMI, HDCP 1.1 & DVI 1.0 compliant
- HDMI over a single CAT6 (pure digital transmission)
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission
- Resolution supported: 480i - 1080p 50/60, 1080p 24, VGA - WUXGA
- Supports Deep Colour (10 & 12 bit)
- Supports xvYCC
- Supports CEC bypass
- Supports 3D signals



SPECIFICATIONS

PU-1107TX

Inputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Outputs	1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 102mm (D) x 32mm (H)
Net Weight:	300g

PU-1107RX

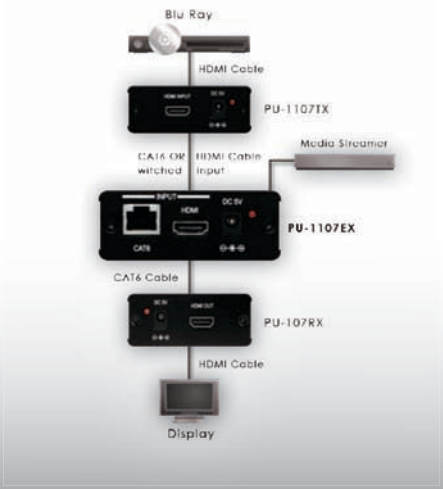
Inputs	1x RJ45 (1x HDMI & Propriety Data)
Outputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Net Weight:	280g
Gross Weight:	760g
Packaging:	Boxed

Pure digital v1.3 HDMI over Single CAT6 Transmitter with Repeater function

The PU-1107TX can transmit a pure digital v1.3 HDMI signal over a Single CAT6 cable allowing HD Audio & 'Deep Colour' support. This Transmitter unit is designed to be used with the PU-107RX receiver to extend HDMI signals to a single screen, with the added benefit that it can be used with the PU-1107EX Extender, for achieving even greater distances.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- Pure digital v1.3 HDMI over single CAT6 Transmitter with Repeater function
- Resolution supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC bypass
- Supports xvYCC
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Enables CAT6 cable lengths of up to 40m 1080p 8bit video
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 102mm (D) x 32mm (H)
Gross Weight:	380g
Net. Weight:	300g
Packaging:	Boxed

Pure Digital v1.3 HDMI over Single CAT6 Repeater

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

A dedicated extender for use exclusively with the PU-1107-KIT. When installed between the PU-1107 Transmitter and Receiver, this device will extend the HDMI signal over Single CAT6 up to 40 metres either side of the repeater. This versatile repeater can also be used as a transmitter device providing additional flexibility to the installer.

Features

- v1.3 HDMI, HDCP 1.1 & DVI 1.0 compliant
- HDMI over a single CAT6 Cable (Pure Digital Transmission)
- Supports LPCM 7.1 Ch, Dolby True HD, Dolby Digital Plus and DTS-HD Master Audio
- Resolutions supported: 480i - 1080p 50/60, 1080p 24fps, VGA - WUXGA
- Supports 'Deep Colour' Video up to 12 bit
- Extends up to 40m 1080p 8 bit video
- EDID 'Deep Colour' 8/12 Switch for enhanced 'Deep Colour' control
- Supports xvYCC, and CEC Bypass
- Supports 3D signals

SPECIFICATIONS

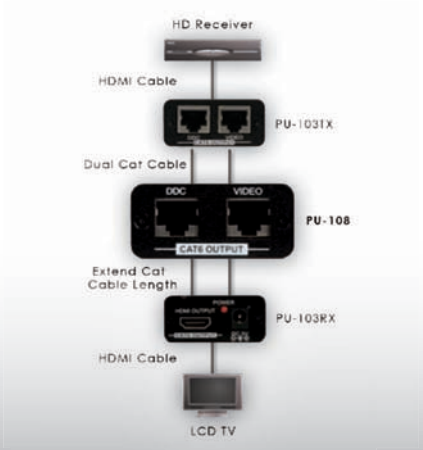
Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x RJ45 (1x HDMI & Propriety Data)
Output:	1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	105mm (W) x 80mm (D) x 30mm (H)
Gross Weight:	440g
Net. Weight:	340g
Packaging:	Boxed

v1.3 HDMI - CAT5e/6 Repeater

A dedicated extender for extending the CAT5e/6 cables used with the PU-103, PU-1103, and PU-1106 HDMI over CAT5e/6 Extender Sets. This great device will extend your twin cabling either side of the repeater up to 40m depending on which extender set is being used. The PU-108 will also allow IR pass-through.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI over CAT5e/6 Repeater
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance
- Supports CEC functions & Deep Colour (10 & 12 bit)
- Supports Infrared control signals throughput when in use with PUMA product which enable IR control
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports 3D signals



SPECIFICATIONS

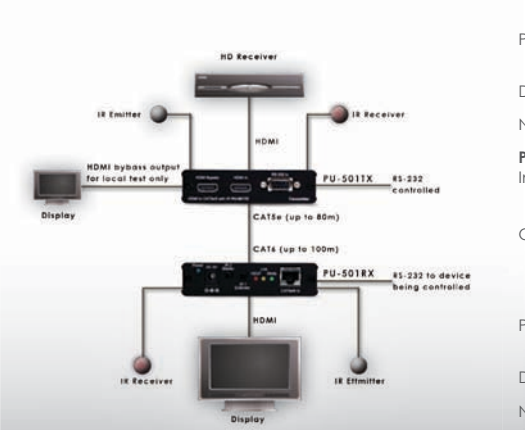
Input:	2x RJ45 (1x HDMI & Propriety Data)
Output:	2x RJ45 (1x HDMI & Propriety Data)
Power:	n/a - seperate power supply not required.
Dimensions:	50mm (W) x 70mm (D) x 23mm (H)
Gross Weight:	160g
Net. Weight:	100g
Packaging:	Boxed

v1.4 HDMI over Single CAT5e/6 'HDBaseT™' Transmitter and Receiver Set (up to 100m)

The PU-501-KIT allows uncompressed HDMI signals to be transmitted over a Single CAT5e/6 cable. This solution has the added features of RS-232 and 2-way IR control functionality over the same CAT5e/6 cable. These combined HDMI and control signals can be transmitted up to lengths of 100 metres.

FEATURES

- HDMI 1.4 with 3D, 4k - 2k support
- HDCP & DVI compliant
- Supports HDCP repeating and CEC functions
- Uncompressed data transfer over single CAT cable (100m - CAT6; 80m - CAT5e)
- Resolution supported: 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD and DTS-HD Master Audio plus LPCM
- Control functions: IR, RS232 & CEC
- Bypass output for local signal testing (disables CAT output whilst in use)
- Supports 3D signals



SPECIFICATIONS

PU-501TX

Inputs	1x HDMI (1x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data), 1x Stereo mini-jack (1x Infrared Receiver)
Outputs	1x Stereo mini-jack (1x Infrared Emitter), 1x HDMI (1x HDMI bypass Uncompressed AV and Data), 1x RJ45 (1x HDMI & Propriety Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 102mm (D) x 32mm (H)
Net Weight:	240g

PU-501RX

Inputs	1x Stereo mini-jack (1x Infrared Receiver), 1x RJ45 (1x HDMI & Propriety Data)
Outputs	1x HDMI (1x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data), 1x Stereo mini-jack (1x Infrared Emitter)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	79mm (W) x 75mm (D) x 30mm (H)
Net Weight:	240g
Gross Weight:	1420g
Packaging:	Boxed

v1.4 HDMI over Single CAT5e/6 HDBaseT™ 5Play™ Transmitter & Receiver Set (up to 100m)

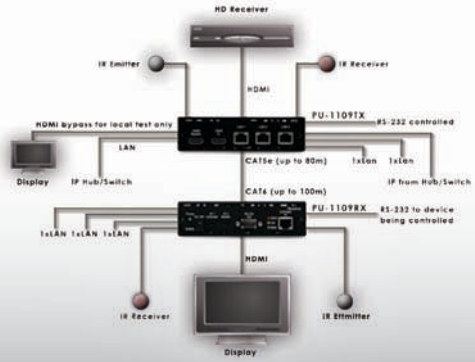
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1109-KIT features 5Play HDBaseT technology. This will allow the user to distribute uncompressed HDMI, 2-Way IR, 2-Way RS-232, PoE and 3 individual LAN connections over a Single CAT5e/6 cable, to lengths of up to 100m.

FEATURES

- v1.4 HDMI, HDCP & DVI compliant
- Supports HDCP repeater and CEC functions
- Simultaneously sends uncompressed HD Audio and Video signals, plus IP network data over a single 100m CAT6 or 80m CAT5e cable
- Resolutions supported: Uncompressed video up to 1080p 60hz, 48bit, plus 4K x 2K
- HD audio supported: 7.1CH, Dolby TrueHD, DTS-HD
- Ethernet speed up to 100Mbps
- RS-232, IR, and HDMI CEC control pass through
- Uses HDBaseT Technology
- Uses 5Play Convergence for maximum distribution performance
- Supports 3D signals



SPECIFICATIONS

PU-1109TX	
Inputs	1x HDMI (1x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data), 1x Stereo mini-jack (1x Infrared Receiver)
Outputs	1x HDMI (1x Bypass HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 1x RJ45 (1x HDMI & Propriety Data), 3x RJ45 (3x Ethernet (I/O) IP)
Power:	n/a
Dimensions:	141mm (W) x 127mm (D) x 40mm (H)
Net Weight:	560g
PU-1109RX	
Inputs	1x Stereo mini-jack (1x Infrared Receiver), 1x RJ45 (1x HDMI & Propriety Data)
Outputs	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 1x 9pin Dsub (1x RS-232 Data), 3x RJ45 (3x Ethernet (I/O) IP)
Power:	48V/1.35A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	141mm (W) x 127mm (D) x 40mm (H)
Net Weight:	1060g
Gross Weight:	2060g
Packaging:	Boxed

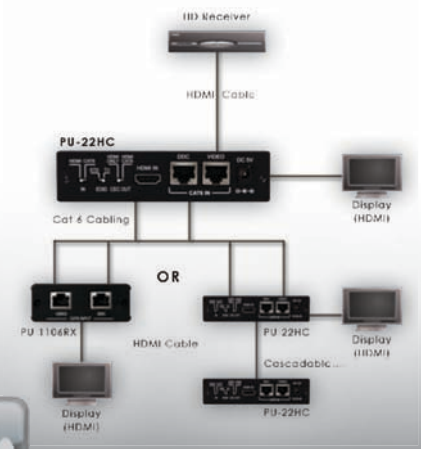
PU-22HC

v1.3 HDMI/CAT5e/6 to HDMI/CAT5e/6 Cascader

The PU-22HC cascader with its dual input and outputs allows for great flexibility within any HDMI over CAT5e/6 system. HDMI signals can be extended up to 40m, and can be cascaded up to three layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI/CAT5e/6 to HDMI/CAT5e/6 Cascader
- Resolutions supported: PC - VGA to SXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC functions
- CAT I/O can run up to 40m @ 1080p8bit video. HDMI Output can run up to 15m
- Supports 'Deep Colour' (10 & 12 bit)
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- CAT output is ideal for cascading to other HDMI products within the PUMA range
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

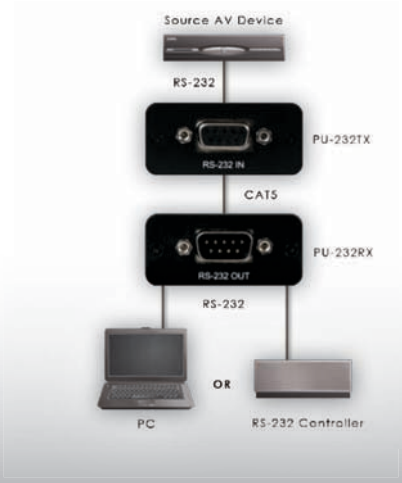
Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RJ45 (1x HDMI & Propriety Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RJ45 (1x HDMI & Propriety Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	125mm (W) x 120mm (D) x 30mm (H)
Gross Weight:	700g
Net. Weight:	600g
Packaging:	Boxed

RS-232 Control Over CAT5/6 Extender Set

The CAT5/6 RS-232 extender is a hardware-based solution providing control of any RS-232 protocol device. This transmitter and receiver set will extend the control of RS-232 for over 250 meters. The RS-232 extender also provides full duplex transmission and hardware handshake signals, with no need for any set up or configuration.

FEATURES

- Extends any RS-232 compliant device up to 250 metres from the source to display
- Requires only one CAT5/6 cable
- Perfect for digital signage applications
- Baud Rate: 110~921600. Data bit: 8bit
- Simple installation and operation



SPECIFICATIONS

PU-232TX

Inputs	1x 9pin Dsub (1x RS-232 Data)
Outputs	1x RJ45 (1x RS-232 Propriety Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 70mm (D) x 25mm (H)
Net Weight:	560g

PU-232RX

Inputs	1x RJ45 (1x RS-232 Propriety Data)
Outputs	1x 9pin Dsub (1x RS-232 Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 70mm (D) x 25mm (H)
Net Weight:	1060g
Gross Weight:	2060g
Packaging:	Boxed

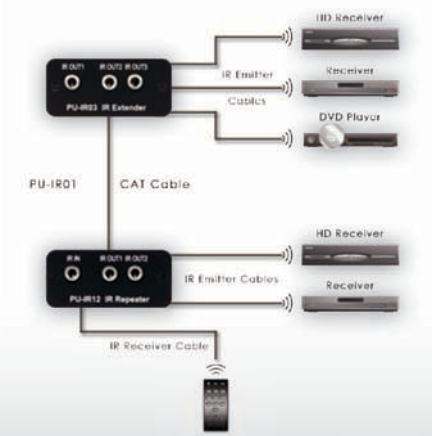
PU-IR01-KIT

Infrared over CAT5/6 Extender Set

The IR Extender and the Repeater set is perfect for controlling IR controlled source equipment over long distances. Up to five sources can be controlled using this extender set. Two sources can be controlled located locally to the repeater, whilst the remaining three sources can be controlled locally to the extender, which can be located up to 250m away via CAT5/6 cable. This system allows for the sources to be controlled by their own original remote controls, from extended distances. A 5-eye emitter accessory can be supplied for additional control of extra source equipment.

FEATURES

- Supports five outputs (two from the repeater, three from the extender)
- Control source equipment from a distance of up to 250 metres away, via CAT5/6 cable
- Transmits infrared signals only
- Allows the use of existing remote controls
- IR Receiver's frequency is at 20~60 kHz



SPECIFICATIONS

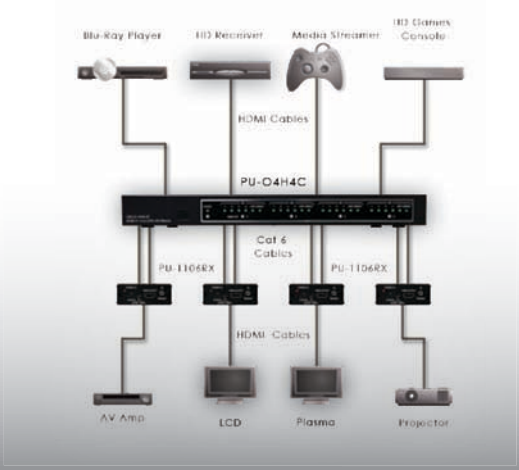
PU-IR12	
Inputs	1x Stereo mini-jack (1x Infrared Receiver)
Outputs	2x Stereo mini-jack (2x Infrared Emitter), 1x RJ45 (1x IR Propriety Data)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 65mm (D) x 25mm (H)
Net Weight:	280g
PU-IR03	
Inputs	1x RJ45 (1x IR Propriety Data)
Outputs	3x Stereo mini-jack (3x Infrared Emitter)
Power:	5V/1.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 65mm (D) x 25mm (H)
Net Weight:	140g
Gross Weight:	580g
Packaging:	Boxed

v1.3 HDMI 4x4 Matrix with built in HDMI over CAT5e/6 outputs

The PU-O4H4C HDMI matrix has 4 HDMI input and 4 CAT5e/6 transmitter outputs up to 40m. Each of the four HDMI sources can be directed to any one of the four CAT outputs, so each display can show the same or a different source. This unit requires pairing with CYP PU-1106RX receivers to convert each of the outputs back to HDMI for connection to the display. The PU-O products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI Matrix switcher (ORBIT) to provide versatility to HDMI installations.

FEATURES

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- HDMI 4x4 Matrix with built in HDMI over CAT5e/6 transmitter outputs
- Resolutions supported: PC - VGA to UXGA ; HDTV - 480i to 1080p + 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio + LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- RS-232 and IR remote control, plus IR extender
- Supports Deep Colour (10/12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- LED indicators
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	4x HDMI (4x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	5x Stereo mini-jack (5x Infrared Emitter), 8x RJ45 (4x HDMI & Propriety Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	438mm (W) x 175mm (D) x 44mm (H)
Gross Weight:	3440g
Net. Weight:	3080g
Packaging:	Boxed

PU-Q1C4H

1 to 4 CAT5e/6 to HDMI Splitter

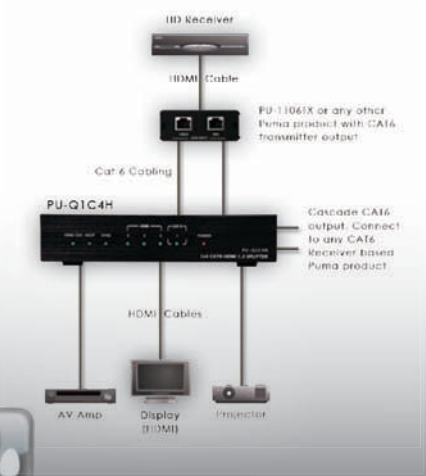
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-Q1C4H has 1 CAT5e/6 receiver input and 1 CAT5e/6 transmitter output with 3 HDMI outputs allowing HDMI signals to be transmitted over CAT up to 40m. This device requires the CAT outputs to be connected to the PU-1106RX Receiver units. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- 1 to 4 CAT5e/6 to HDMI splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- CAT I/O can run up to 40m @ 1080p8bit video. HDMI Output can run up to 15m
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports Deep Colour (10, & 12)
- IR extender I/O
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input
- CAT output is ideal for cascading to other HDMI products within the PUMA range
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

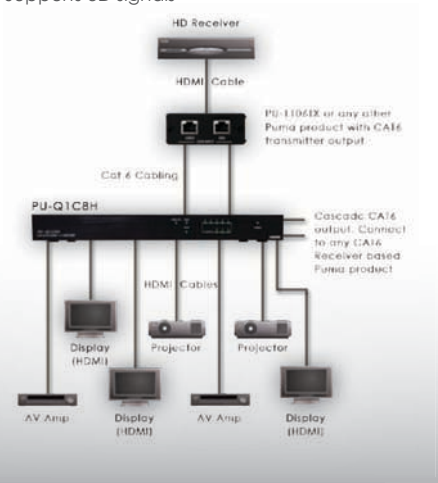
Input:	1x Stereo mini-jack (1x Infrared Receiver), 2x RJ45 (1x HDMI & Propriety Data)
Output:	3x HDMI (3x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 2x RJ45 (1x HDMI & Propriety Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	215mm (W) x 134mm (D) x 48mm (H)
Gross Weight:	900g
Net. Weight:	700g
Packaging:	Boxed

1 to 8 CAT5e/6 to HDMI Splitter

The PU-Q1C8H has 1 CAT5e/6 receiver input and 1 CAT5e/6 transmitter output with 7 HDMI outputs allowing HDMI signals to be transmitted over CAT up to 40m. This device requires the CAT outputs to be connected to the PU-1106RX Receiver units. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- 1 to 8 CAT5e/6 to HDMI splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- CAT I/O can run up to 40m @ 1080p8bit video. HDMI Output can run up to 15m
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports 'Deep Colour' (10 & 12 bit)
- IR extender I/O
- CAT output is ideal for cascading to other HDMI products within the PUMA range
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x Stereo mini-jack (1x Infrared Receiver), 2x RJ45 (1x HDMI & Propriety Data)
Output:	7x HDMI (7x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 2x RJ45 (1x HDMI & Propriety Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 165mm (D) x 48mm (H)
Gross Weight:	1860g
Net. Weight:	1660g
Packaging:	Boxed

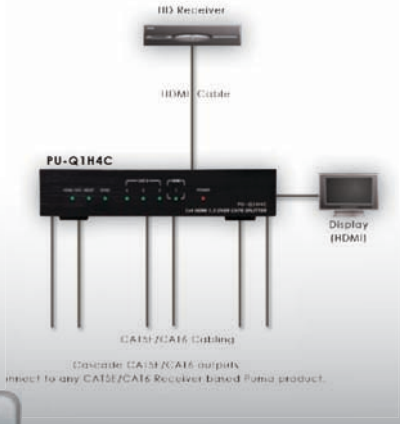
PU-Q1H4C

1 to 4 HDMI to CAT5e/6 Splitter

The PU-Q1H4C has 1 HDMI input and 3 CAT5e/6 transmitter outputs with 1 HDMI output allowing HDMI signals to be transmitted over CAT up to 40m. This device requires the CAT outputs to be connected to the PU-1106RX Receiver units. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- 1 to 4 HDMI to CAT5e/6 splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- CAT I/O can run up to 40m @ 1080p8bit video. HDMI Output can run up to 15m
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports 'Deep Colour' (10 & 12 bit)
- IR extender I/O
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input
- CAT output is ideal for cascading to other HDMI products within the PUMA range
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

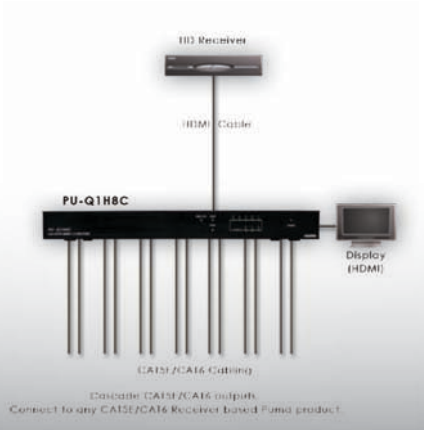
Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 6x RJ45 (3x HDMI & Propriety Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/ UL certified)
Dimensions:	215mm (W) x 134mm (D) x 48mm (H)
Gross Weight:	900g
Net. Weight:	700g
Packaging:	Boxed

1 to 8 HDMI to CAT5e/6 Splitter

The PU-Q1H8C has 1 HDMI input and 7 CAT5e/6 transmitter outputs with 1 HDMI output allowing HDMI signals to be transmitted over CAT up to 40m. This device requires the CAT outputs to be connected to the PU-1106RX Receiver units. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- 1 to 8 HDMI to CAT5e/6 splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- CAT I/O can run up to 40m @ 1080p8bit video. HDMI Output can run up to 15m
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports 'Deep Colour' (10 & 12 bit)
- IR extender I/O
- CAT output is ideal for cascading to other HDMI products within the PUMA range
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Infrared Emitter), 14x RJ45 (7x HDMI & Propriety Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 50mm (H)
Gross Weight:	1900g
Net. Weight:	1720g
Packaging:	Boxed

PU-Q1H8CS

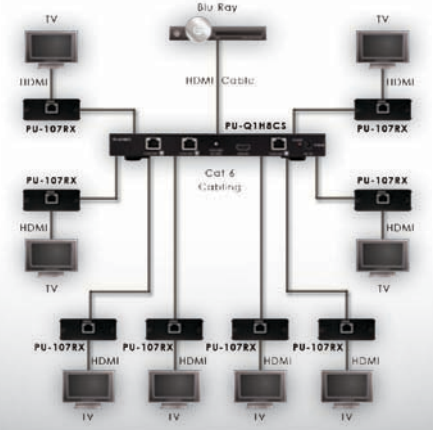
1 to 8 HDMI to Single CAT6 splitter

The PU-Q1H8CS has 1 HDMI input and 8 Single CAT6 outputs to simultaneously distribute a HDMI source to eight displays up to a distance of 40m. This solution is perfect for distributing the HDMI source content over longer distances than is usually achievable with HDMI cable, using cost effective CAT6 cable infrastructure.

Use the PU-107RX Single CAT6 to HDMI Receivers on each of the eight CAT6 outputs to convert back from CAT6 to HDMI for connection to the display/s.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- 1 to 8 HDMI to single CAT6 splitter
- Resolutions supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- CAT output can run up to 40m @ 1080p, 8 bit
- Selectable EDID settings - TV (downstream) or STD (fixed) and 12-bit or 8-bit Deep Colour
- Supports 'Deep Colour' (10 & 12-bit)
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	8x RJ45 (8x HDMI & Propriety Data)
Power:	5V/3.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	240mm (W) x 105mm (D) x 30mm (H)
Gross Weight:	740g
Net. Weight:	500g
Packaging:	Boxed

Quantum

A range of HD distribution amplifiers with proven industry success within many diverse applications. The CYP Quantum series uses the latest HDMI firmware and is available in a wide range of configurations including CEC pass-through.

www.cypeurope.com

v1.3 HDMI 1 to 2 Distribution Amplifier

The QU-12S Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to two identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 2 Splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12 bit)
- Power LED indicator
- Supports xvYCC
- Supports 3D signals

SPECIFICATIONS

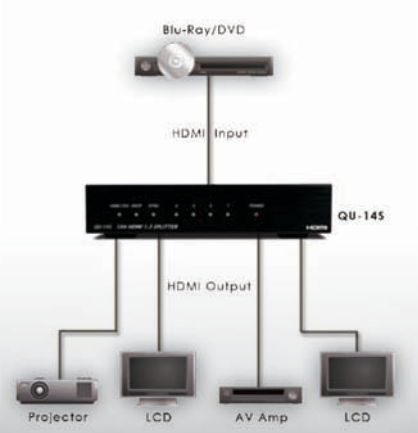
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	2x HDMI (2x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	102mm (W) x 146mm (D) x 25mm (H)
Gross Weight:	780g
Net. Weight:	500g
Packaging:	Retail Packaged

v1.3 HDMI 1 to 4 Distribution Amplifier

The QU-14S Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to four identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 4 Splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12-bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI, HDCP & SYNC plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	215mm (W) x 135mm (D) x 45mm (H)
Gross Weight:	800g
Net. Weight:	580g
Packaging:	Boxed

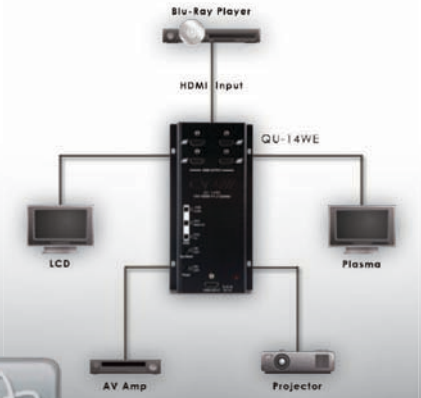
QU-14WE

v1.3 HDMI 1 to 4 Mountable Distribution Amplifier

The QU-14WE Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to four identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 10 metres.

FEATURES

- Compliant with v1.3 HDMI, HDCP 1.1 and DVI 1.1 standards
- HDMI 1 to 4 Distribution Amplifier (Splitter)
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (32-192KHz sample rate)
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- System reset function switch generate a command every 10 minutes to the connected displays which resets them to the correct HDMI input
- HDCP Keysets allows each output to work independently when connecting different colour depth HDMI displays
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

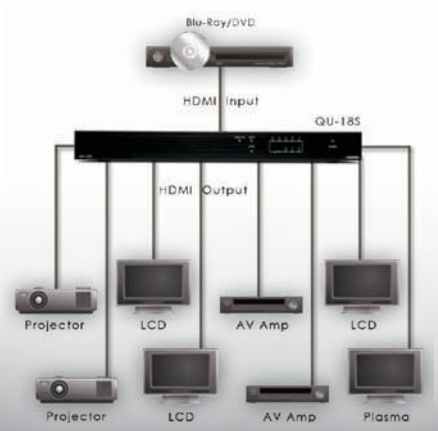
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	94mm (W) x 187mm (D) x 32mm (H)
Gross Weight:	560g
Net. Weight:	460g
Packaging:	Boxed

v1.3 HDMI 1 to 8 Rack Mountable Distribution Amplifier

The QU-18S Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to eight identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 8 Splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (32-192KHz sample rate)
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12-bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI, HDCP & SYNC plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	8x HDMI (8x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/ UL certified)
Dimensions:	435mm (W) x 160mm (D) x 45mm (H)
Gross Weight:	2020g
Net. Weight:	1750g
Packaging:	Boxed

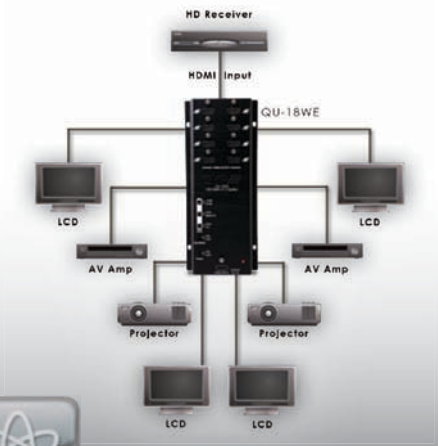
QU-18WE

v1.3 HDMI 1 to 8 Mountable Distribution Amplifier

The QU-18WE Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to eight identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 10 metres.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 8 Mountable Splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12-bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

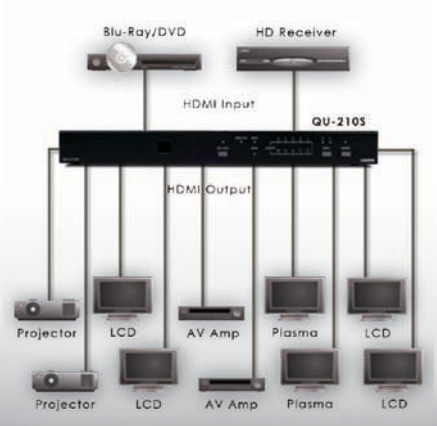
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	8x HDMI (8x HDMI Uncompressed AV and Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/ UL certified)
Dimensions:	94mm (W) x 220mm (D) x 32mm (H)
Gross Weight:	700g
Net. Weight:	460g
Packaging:	Boxed

v1.3 HDMI 2 to 10 Rack Mountable Distribution Amplifier

The QU-210S Distribution Amplifier (splitter) accepts two HDMI inputs and splits either of these switchable inputs to ten identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

FEATURES

- Compliant with v1.3 HDMI, HDCP 1.1 and DVI 1.1 standards
- HDMI 2 to 10 Splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (32-192KHz sample rate)
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI, HDCP & SYNC plus independent output LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

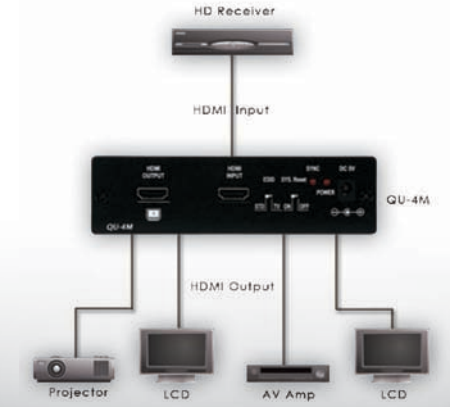
Input:	2x HDMI (2x HDMI Uncompressed AV and Data)
Output:	10x HDMI (10x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 45mm (H)
Gross Weight:	2120g
Net. Weight:	1760g
Packaging:	Boxed

v1.3 HDMI 1 to 4 Splitter with System Reset

The QU-4M Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to four identical outputs. The System Reset Function switch generates a command every 10 minutes to the connected displays which resets them to the correct HDMI input. Each buffered output can run 1080p/8-bit up to 15 metres and can also be cascaded up to 3 layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 4 Splitter with System Reset function
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10, & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power & SYNC LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

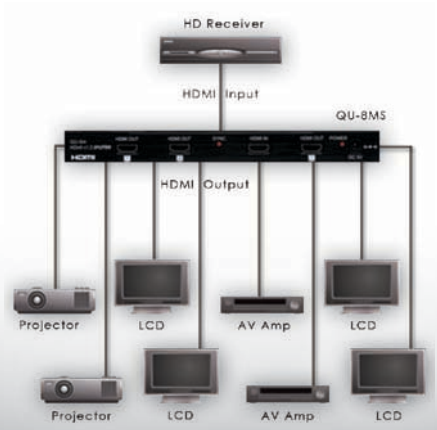
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	4x HDMI (4x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	142mm (W) x 95mm (D) x 40mm (H)
Gross Weight:	700g
Net. Weight:	560g
Packaging:	Boxed

v1.3 HDMI 1 to 8 Distribution Amplifier with System Reset

The QU-8MS Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to eight identical outputs. The System Reset Function switch generates a command every 10 minutes to the connected displays which resets them to the correct HDMI input. Each buffered output can run 1080p/8-bit up to 15 metres and can also be cascaded in multiple layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 8 Splitter with System Reset function
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10, & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power & SYNC LED's indicator
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

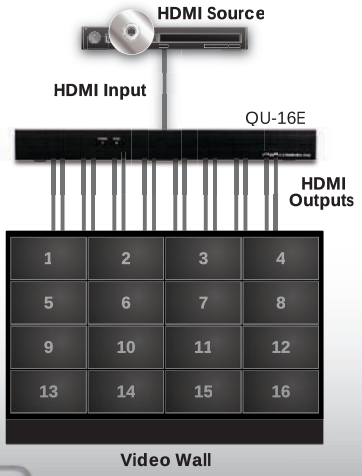
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	8x HDMI (8x HDMI Uncompressed AV and Data)
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 105mm (D) x 30mm (H)
Gross Weight:	1640g
Net. Weight:	1420g
Packaging:	Boxed

v1.3 HDMI 1 to 16 Distribution Amplifier

The QU-16E is a versatile 1 to 16 HDMI distribution amplifier. This product is designed to be used in a 19" rack and will distribute uncompressed HDMI signals up to 1080P 12-bit Deep Colour. Each buffered output can run 1080p/8-bit up to 10 metres and can be cascaded up to two layers.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Resolution Supported: PC - VGA to UXGA; HDTV - 480i to 1080p + 1080p24fps
- High Definition Audio supported: LPCM 7.1Ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32-192kHz Fs sample rate)
- HDMI cable distance tested with 1080p/8bits resolution the I/O source can up run up to 15/15 meters. If 1080p/12bits the I/O source can run up to 15/10 meters.
- Supports xvYCC & CEC bypass
- Supports 3D signals



SPECIFICATIONS

Input:	1 x HDMI (1x HDMI Uncompressed AV and Data)
Output:	16x HDMI (16x HDMI Uncompressed AV and Data)
Power:	5V/5A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 125mm (D) x 50mm (H)
Gross Weight:	1720g
Net. Weight:	1320g
Packaging:	Boxed

Relay

The Relay range has been developed to provide solutions for extending and equalising HDMI signals over long distances, whilst maintaining the highest possible clarity. A HDMI over 5 BNC extender is available within the range, for use when replacing legacy RGBHV projectors using the existing cable infrastructure.

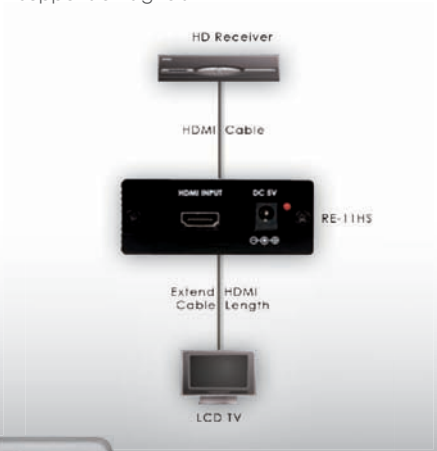
www.cypeurope.com

v1.3 HDMI to HDMI Equaliser

The RE-11HS is perfect for placing at the end of a HDMI cable to boost the signal by up to 40dB to improve the HDMI signal quality to the display. The RE-11HS Equaliser uses v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio with a high bandwidth up to 225MHz.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI to HDMI Equaliser
- Resolutions Support: Output resolution follows Input. PC: VGA,SVGA,XGA,SXGA and UXGA (1600 x 1200) HDTV: 480i, 576i, 480p, 576p, 720p, 1080i & 1080p + 1080P 24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Corrects digital error and automatically provides equalisation up to 40dB
- Automatic equalisation up to 40dB
- Supports cable up to 40 metres from the source to the equaliser plus up to 10 metres from the equaliser to the display
- Support xvYCC
- Supports 'Deep Colour' (10 & 12 bit)
- Supports 3D signals



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	75mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	320g
Net. Weight:	260g
Packaging:	Boxed

v1.3 HDMI to HDMI Repeater

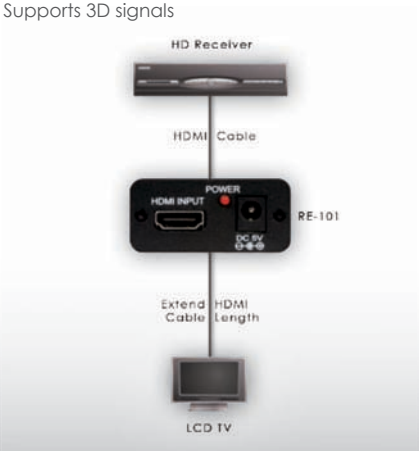
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The RE-101 repeater equalises and recovers the full HDMI signal to provide an 'as new' signal allowing it to be repeated for extended distances and cascaded multiple times. This device uses v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio with a high bandwidth up to 225MHz.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI to HDMI Repeater
- Supports high definition up to 1080p @50/60Hz, output resolution follows input
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Equalises and recovers incoming TMDS data before re-transmitting so that the output is of optimal quality, regardless of incoming signal
- Supports CEC functions
- Supports 'Deep Colour' (10 & 12 bit)
- Can be used with 15m cables both sides and can be cascaded
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

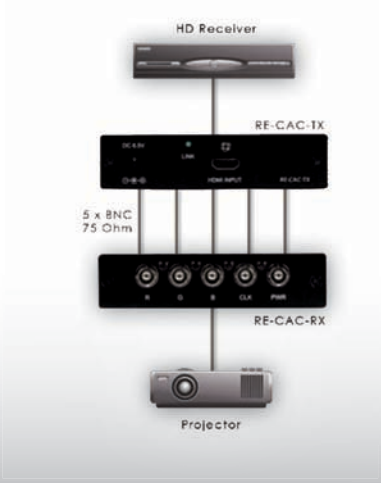
Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU Standards, CE/ FCC/UL Certified)
Dimensions:	50mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	340g
Net. Weight:	260g
Packaging:	Boxed

v1.3 HDMI to 75Ω Coaxial cable Extender Set

The RE-CAC Active multimedia transmitter and receiver set is used for long distance cable runs to any HDMI display without loss of image quality. For example; this can be used when replacing an old BARCO projector with a new HDMI projector, whereby the existing 75Ω coaxial cabling can be reused.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant
- HDMI to 75Ω Coaxial cable extender set
- Resolutions supported: PC - VGA to WUXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- RG6 type Coaxial cable recommended
- Supports CEC functions
- Supports 'Deep Colour' (10 & 12 bit)
- Supports xvYCC
- Supports 3D signals



SPECIFICATIONS

RE-CAC-TX	
Inputs	(TX) 1x HDMI (1x HDMI Uncompressed AV and Data)
Outputs	(TX) 5x BNC (1x 75ohm Coaxial (HDMI) HDMI & Propriety Data)
Power:	5V/1.25A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	125mm (W) x 107mm (D) x 35mm (H)
Net Weight:	500g
RE-CAC-RX	
Inputs	(RX) 5x BNC (1x 75ohm Coaxial (HDMI) HDMI & Propriety Data)
Outputs	(RX) 1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2.5A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	125mm (W) x 107mm (D) x 35mm (H)
Net Weight:	500g
Gross Weight:	1280g
Packaging:	Boxed

Synergy

An extensive range of format converters providing multiple solutions in any home and professional installation scenario. This range includes converters of PC, YUV and SCART sources to HDMI.

www.cypeurope.com

SY-1080SC

SCART to HDMI Up-Scaler (1080P)

The SY-1080SC scaler will take any SCART input and convert and scale the signal up to 1080p HDMI output.

FEATURES

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- SCART to HDMI Scaler
- Automatic resolution selection and individual resolution selection button - from 576p up to 1080p
- Input video systems - NTSC3.58 / PAL / RGB 50Hz / RGB 60Hz auto-detection
- Analogue stereo audio input (from SCART)
- Automatic lip-sync (audio delay) ensures audio video synchronisation
- Supports 'Deep Colour' (10 & 12 bit) at HDMI output
- Digital, Block & MPEG Noise reduction
- High Quality Image Enhancer (HQE) function

SPECIFICATIONS

Input:	1x Scart (1x Scart Composite & Stereo Audio / RGB (c-sync) & Stereo Audio)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A,DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	151mm (W) x 125mm (D) x 30mm (H)
Gross Weight:	600g
Net. Weight:	340g
Packaging:	Retail Packaged

PC/DVI to HDMI Converter

The SY-P290 is designed to convert and scale Digital or Analogue RGBHV or YUV to HDMI for improved viewing. This unit offers a wide selection of output resolutions/format, colour space and adjustment to obtain the best picture quality.

FEATURES

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant
- PC/DVI to HDMI Converter
- Resolutions supported: Input; PC - VGA to WUXGA; HDTV - 480i to 1080p. Output; PC - XGA & UXGA; HDTV - 720p & 1080p
- Audio Support: Input - Analogue stereo & Coax; PCM Stereo, DTS & Dolby Digital; Output - Follows Input
- Scale analogue RGBHV/YUV and/or DVI/HDMI resolutions to XGA/UXGA/720p/1080p
- Direct push button controls for Audio, Video & Timing

SPECIFICATIONS

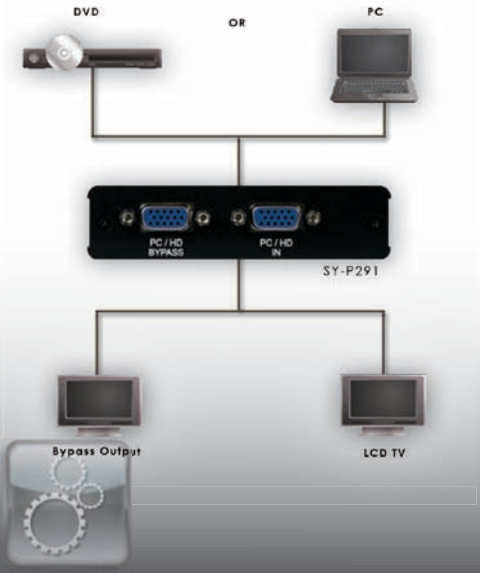
Input:	1x Stereo mini-jack (1x Stereo(L/R)), 1x DVI-I (1x DVI-D), 1x 15pin Dsub (1x RGBHV / YPbPr Component / YCbCr Component), 1x RCA (1x Coaxial DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x HDMI (1x Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	102mm (W) x 160mm (D) x 25mm (H)
Gross Weight:	700g
Net. Weight:	440g
Packaging:	Boxed

PC/HD to PC/HD Scaler Converter with Bypass output

The SY-P291 is designed to convert and scale analogue PC/HD inputs offering a wide range of PC/HD resolutions and adjustments to obtain the best picture quality.

FEATURES

- RGBHV, YPbPr & YCbCr compatible
- PC/HD to PC/HD Scaler Converter with Bypass output
- Resolution Supported: PC - VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA; SD/HD - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- On Screen Menu with push button control
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size
- Bypass output - mirrors input



SPECIFICATIONS

Input:	1x 15pin Dsub (1x Analogue RGBHV / YPbPr Component / YCbCr Component)
Output:	1x 15pin Dsub (1x Analogue (Bypass) RGBHV / YPbPr Component / YCbCr Component), 1x 15pin Dsub (1x Analogue RGBHV / YPbPr Component / YCbCr Component)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	102mm (W) x 160mm (D) x 25mm (H)
Gross Weight:	950g
Net. Weight:	460g
Packaging:	Boxed

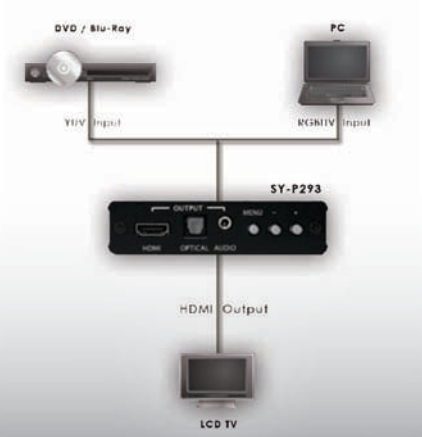
PC to HDMI Converter and Scaler Converter with Audio

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

The SY-P293 is designed to scale analogue video signal from a PC source to a digital HDMI output boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment to obtain the best picture quality.

FEATURES

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant
- PC to HDMI Scaler Converter with Audio
- Scales any PC resolutions to PC or HDTV resolutions
- Resolutions Supported: PC - VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA. SD/HD - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source this is then outputted to HDMI, Optical (Toslink), and mini-jack (stereo only) simultaneously:
- On Screen Menu with push button control
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size
- Automatic detection of the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected (default setting)



SPECIFICATIONS

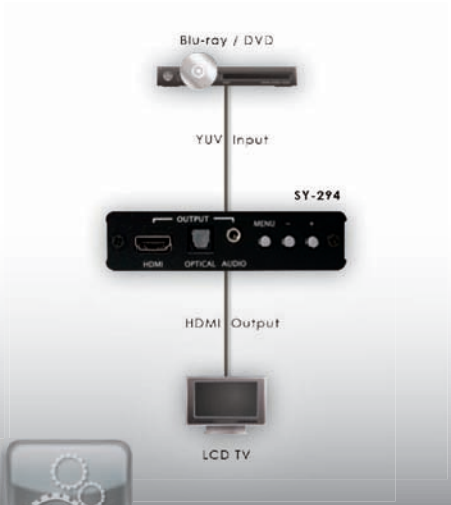
Input:	1x 15pin Dsub (1x PC RGBHV), 1x Stereo mini-jack (1x Analogue Stereo(L/R)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Analogue Stereo(L/R)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	102mm (W) x 154mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	700g
Packaging:	Boxed

Component (YUV) to HDMI Converter and Scaler with Audio

The SY-P294 is designed to scale analogue video signal from a YUV source to a digital HDMI output boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment to obtain the best picture quality.

FEATURES

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant
- Component (YUV) to HDMI Converter Scaler with Audio
- Scales any YUV resolution to PC or HDTV resolutions
- Resolutions Supported: PC - VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA; SD/HD - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source, this is then outputted to HDMI, Optical (Toslink) and mini-jack (stereo only) simultaneously
- A comprehensive OSD menu provides picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size
- Automatic detection of the connected screens factory setting, matching the resolution and refresh rate, when the NATIVE output is selected



SPECIFICATIONS

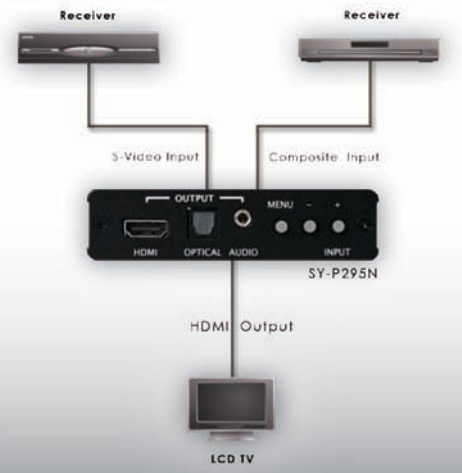
Input:	3x RCA (1x YCbCr Component / YPbPr Component), 1x Stereo mini-jack (1x Analogue Stereo(L/R)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM), 1x Stereo mini-jack (1x Analogue Stereo(L/R))
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 154mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	700g
Packaging:	Boxed

CV/SV to HDMI Converter and Scaler with Audio

The SY-P295N is designed to scale analogue video signal from a CV or SV source to a digital HDMI output, boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment to obtain the best picture quality.

FEATURES

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant
- Analogue to HDMI Converter Scaler with Audio
- Video Support: Input - PAL & NTSC. Output Resolution Supported: PC - VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA; SD/HD - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source, this is then outputted to HDMI, Optical (Toslink), and mini-jack (stereo only) simultaneously
- A comprehensive OSD menu provides picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size
- Automatic detection of the connected screens factory setting, matching the resolution and refresh rate, when the NATIVE output is selected



SPECIFICATIONS

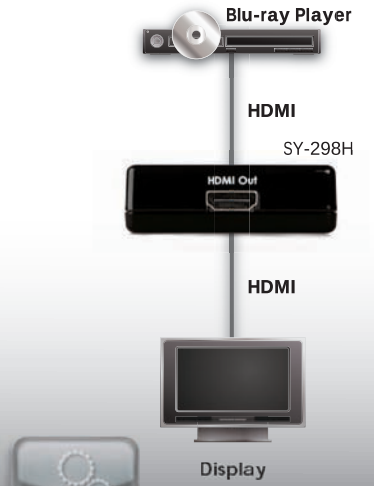
Input:	1x RCA (1x Composite), 1x S-video plug (1x S-video), 2x RCA (1x Analogue Stereo (L/R)), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Toslink (1x Optical DTS / Dolby Digital / 2 Channel LPCM), 1x Stereo mini-jack (1x Analogue Stereo(L/R))
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 187mm (D) x 25mm (H)
Gross Weight:	880g
Net. Weight:	680g
Packaging:	Boxed

HDMI to HDMI Up & Down Scaler

The SY-298H will allow a HDMI source signal to be up or down scaled according to the screen specifications required. Any HDMI signal inputted can be scaled up or down to 720p or 1080p, plus PC output resolutions of WXGA or WUXGA.

FEATURES

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- Supports HD resolution input: : VGA~WSXGA, WUXGA@60 (Reduce Blanking)/ 1366x768/1440x900/1400x1050/480p@60, 720p@60, 1080p@60
- Fast switch hot key from 720p to 1080p/1280 x 800/1366 x 768/1920 x 1200(Reduce Blanking)
- Auto–detection and Hot Plug
- Interlaced progressive conversion with various picture resoution outputted



SPECIFICATIONS

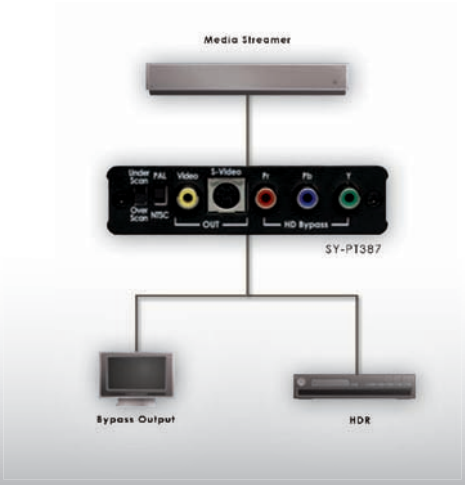
Input:	1 x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1 x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	100mm (W) x 65mm (D) x 20mm (H)
Gross Weight:	300g
Net. Weight:	200g
Packaging:	Boxed

Analogue HD Down-Scaler with Bypass Output

The SY-PT387 converts HD Component Video (YPbPr) to Composite or S-video signals for recording & distributing whilst maintaining the analogue HD for the main display.

FEATURES

- PAL & NTSC compatible
- Analogue HD Down-Scaler with Bypass Output
- Video Support: HD Component input (YPbPr) up to 1080p
- Composite and S-video simultaneous outputs
- Image Overscan/Underscan selection
- Output switched between NTSC/PAL



SPECIFICATIONS

Input:	3x RCA (1x YPbPr Component)
Output:	3x RCA (1x (Bypass) YPbPr Component), 1x RCA (1x Composite), 1x S-video plug (1x S-video)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 92mm (D) x 25mm (H)
Gross Weight:	520g
Net. Weight:	440g
Packaging:	Boxed

T01 640×480-60
RSE OFF, HPD OFF
XA-3
TIMING
PATTERN
EDID PATTERN
PC
HD
DVI
HDMI
AUTO
OPTION
FAV.
HDCP PATTERN

Xaminer

Essential for any environment where AV signal analysis and testing is required, the CYP Xaminer range provides pattern generation & EDID coding, dramatically reducing fix time for HD screens-to-source compatibility issues.

www.cypeurope.com

3D Mini HDMI Analyser

The XA-1 is the perfect analysis tool for AV installers and integrators. This device allows the user to analyse AV sources for resolution and EDID information whilst also providing pattern generation and test functions for identifying display capabilities. This small but advanced HDMI analyser also supports the analysis and pattern generation of 3D signals. This allows the user to check compatibility between sources and displays and provides a means of identifying system problems for troubleshooting.

FEATURES

- Support timings include SD, HD up to 1080p, PC up to WUXGA and 3D
- Analyse input source info-frame and output sink EDID
- Deep Colour video support up to 12-bits
- HD resolutions supported - 480i to 1080p + 1080p24fps
- PC resolutions supported - VGA to SXGA + WUXGA
- 3D modes supported - Frame Packing (720p@50/60, 1080p@24); Side-by-Side (half) (1080p@24/60, 720p@50/60); Top-and-Bottom (1080p@24/60, 720p@50/60)
- Provides 25 timings and 6 patterns
- OLED show Input / Output timing information
- Supports v1.4 HDMI Audio Return Channel (ARC) function
- Support input signal bypass, digital video formats in Deep Colour Mode at up to 36 bits (12bits/ colour) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD master Audio) digital audio
- Supports internal pattern audio LPCM 2CH 48/96/192KHz, LPCM5.1 48/96 kHz, LPCM7.1 48/96KHz
- Supports 3D signals

SPECIFICATIONS

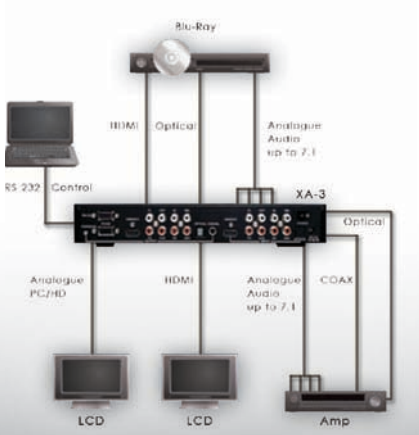
Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Service Port)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Toslink (1x ARC Output (Optical))
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	70mm (W) x 120mm (D) x 25mm (H)
Gross Weight:	520g
Net. Weight:	440g
Packaging:	Boxed

Advanced HDMI & Audio Pattern Generator & Analyser

The XA-3 HDMI v1.3 compliant video test pattern generator is the most advanced device for your audio & video signals test. With built-in 39 timings and 45 patterns, it outputs both analogue and digital signals, providing over a thousand types of testing signals. This handy device can be conveniently controlled via the front panel buttons or the IR remote with an LCD display for easily identifying settings. Other than testing your displays, this generator can also check the resolution of your sources and record them, check bandwidth and phase behaviour of video transmission, verify video amplifiers/colour temperature/video motion plus HDCP verification, data comparison, EDID check and many more other useful functions.

FEATURES

- HDMI v1.3, HDCP v1.1 and DVI v1.0 compliant
- Provides 39 timings and 51 patterns
- Timings include SD, HD up to 1080p, PC up to UXGA/WUXGA (Reduced Blanking)
- Graphic Tests and Data Analysis patterns included
- Output format with digital HDMI/DVI, or analogue PC/HD (component)
- Supported colour formats include RGB444, YCbCr444 AND YCbCr422
- Deep Colour support up to 8/10/12bits
- Selectable audio source from 7.1 CH, optical or internal sine wave
- Internal sinewave LPCM channel is selectable from 2CH, 5.1CH and 7.1CH
- Supports the following tests and analysis: HDCP, EDID, HDMI/DVI
- Auto run setting test mode



SPECIFICATIONS

Input:	1x Toslink (1x Optical 2 Channel LPCM), 8x RCA (1x Analogue Audio 7.1), 1x HDMI (1x HDMI Uncompressed AV and Data), 1x 9pin Dsub (1x RS-232 Data)
Output:	8x RCA (1x Analogue Audio 7.1), 1x Toslink (1x Optical 2 Channel LPCM), 1x RCA (1x COAX 2 Channel LPCM), 1x HDMI (1x HDMI Uncompressed AV and Data), 1x 15pin Dsub (1x VGA RGBHV)
Power:	5V 3A
Dimensions:	280mm (W) x 140mm (D) x 40mm (H)
Gross Weight:	1960g
Net. Weight:	1560g
Packaging:	Boxed

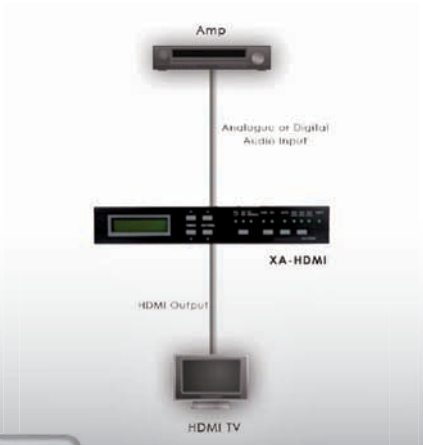
XA-HDM1

HDMI Test Pattern Generator

The XA-HDM1 Professional Pattern Generator offer a combination of various timings, patterns, and colour spaces. It can provide up to 4095 types of video testing signals. This generator also supports three types of audio testing signal, built-in sine wave, external analogue audio and external digital audio. Its operation is simple yet comprehensive, use the remote or push buttons to select timings.

FEATURES

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 Compliant
- Pro HDMI Test Pattern Generator
- Resolutions Supported: PC - VGA to WUXGA. HDTV - 480i to 1080p (please refer to the manual for a full detailed list)
- Built in 1kHz Sine wave (adjustable sampling rate) together with analogue stereo & optical inputs fro audio referencing
- Provides total 35 timings and 39 patterns
- RS-232 & IR Remote control
- On-panel LED display and LED indicators (HDCP verification LED)



SPECIFICATIONS

Input:	1x 9pin Dsub (1x RS-232 Data), 1x Toslink (1x Optical 2 Channel LPCM), 2x RCA (1x Analogue Stereo (L/R))
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	280mm (W) x 145mm (D) x 45mm (H)
Gross Weight:	1340g
Net. Weight:	980g
Packaging:	Boxed

EDID/CEC Selector

The XA-S11 high performance HDMI v1.3 synchroniser allows the user to set up a firm EDID and CEC connection between the source and the display, eliminating the time spent on signal configuration before receiving the signal.

FEATURES

- HDMI 1.3 and DVI 1.0 compliant
- EDID/CEC Synchroniser
- Resolutions supported: PC - VGA, SVGA, XGA, SXGA to UXGA. HDTV - 480i/p, 576i/p, 720p, 1080i/p
- HD Audio Supports: Dolby Digital TrueHD and DTS-HD + LPCM
- Embedded EDID
- Built-in CEC support with compliant CEC PHY
- Signal Enhancement feature allows you to improve signal quality after long distance transmission
- Switch & button selection for hard setting selection:
- System Reset Function
- Supports 3D signals

SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/1.2A DC (US/EU standards, CE/ FCC/UL (certified)
Dimensions:	97mm (W) x 125mm (D) x 30mm (H)
Gross Weight:	630g
Net. Weight:	550g
Packaging:	Boxed

1
2
3
4
SDI OUTPUT

Professional Range

New Range

The new CYP Professional Distribution Solutions offer the ultimate in flexibility and robust signal distribution for the broadcast market. The Professional Range includes SDI distribution and HDMI conversion solutions that enable engineers to confidently manage complex broadcast signal environments.

www.cypeurope.com

PRO-3GSDI14

3G-SDI 1 to 4 Distribution Amplifier

The PRO-3GSDI14 Distribution Amplifier allows SD-SDI, HD-SDI, and 3G-SDI signals to be split from one source to four SDI outputs for connecting to any SDI equipment. SD signals can achieve distances of up to 300m without signal loss, thanks to the high bandwidth capabilities of this professional product.

FEATURES

- One 3G-SDI input source split to four 3G-SDI displays simultaneously
- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Provides the Equalized and re-clocked transmission
- Supports signal input and output distance of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals.
- SMPTE standard : 425M Level A & B, 424M, 292M, 259M-C
- Support Timing: SD-SDI: 480i/576i, HD-SDI: 720p@50/60, 1080i@50/60, 1080p@24/25, 3G-SDI: 1080p@50/60
- SDI Transmission Rates: 2.970 Gbit/s and 2.970/1.001 Gbit/s
- Supplied with Locking PSU

SPECIFICATIONS

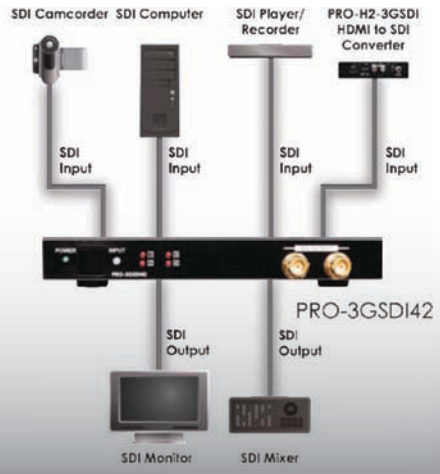
Input:	1x BNC (1x SD-SDI / HD-SDI / 3G-SDI)
Output:	4x BNC (4x SD-SDI / HD-SDI / 3G-SDI)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	140mm (W) x 200mm (D) x 30mm (H)
Gross Weight:	1000g
Net. Weight:	780g
Packaging:	Boxed

3G-SDI 4 to 2 Switching Distribution Amplifier

The PRO-3GSDI42 Switching Distribution Amplifier accepts SD-SDI, HD-SDI, and 3G-SDI signals from four sources. Any source can be selected and then the source signal is split to two SDI outputs simultaneously. SD signals can achieve distances of up to 300m without signal loss, thanks to the high bandwidth capabilities of this professional product.

FEATURES

- Switch between Four SDI input sources and split the signal to two SDI outputs simultaneously
- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Provides the Equalized and re-clocked transmission
- Supports signal input and output distance of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals
- SMPTE standard: 425M Level A & B, 424M, 292M, 259M-C
- Support Timing: SD-SDI: 480i/576i, HD-SDI: 720p@50/60, 1080i@50/60, 1080p@24/25, 3G-SDI: 1080p@50/60
- SDI Transmission Rates: 2.970 Gbit/s and 2.970/1.001 Gbit/s
- Supplied with Locking PSU



SPECIFICATIONS

Input:	4x BNC (4x SD-SDI / HD-SDI / 3G-SDI), 1x 9pin Dsub (1x RS-232 Data)
Output:	2x BNC (2x SD-SDI / HD-SDI / 3G-SDI)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	140mm (W) x 200mm (D) x 30mm (H)
Gross Weight:	1040g
Net. Weight:	820g
Packaging:	Boxed

PRO-3GSDI44

3G-SDI 4 to 4 Switching Distribution Amplifier

The PRO-3GSDI44 Switching Distribution Amplifier accepts SD-SDI, HD-SDI, and 3G-SDI signals from four sources. Any source can be selected and then the source signal is split to four SDI outputs simultaneously. SD signals can achieve distances of up to 300m without signal loss, thanks to the high bandwidth capabilities of this professional product.

FEATURES

- Switch between Four SDI input sources and split the signal to four SDI displays simultaneously
- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Provides the Equalized and re-clocked transmission
- Supports signal input and output distance of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals
- SMPTE standard: 425M Level A & B, 424M, 292M, 259M-C
- Support Timing: SD-SDI: 480i/576i, HD-SDI: 720p@50/60, 1080i@50/60, 1080p@24/25, 3G-SDI: 1080p@50/60
- SDI Transmission Rates 2.970 Gbit/s and 2.970/1.001 Gbit/s
- Supplied with Locking PSU

SPECIFICATIONS

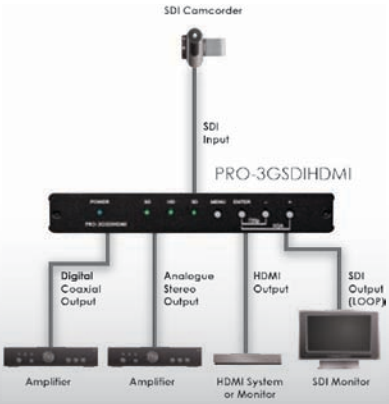
Input:	4x BNC (4x SD-SDI / HD-SDI / 3G-SDI), 1x 9pin Dsub (1x RS-232 Data)
Output:	4x BNC (4x SD-SDI / HD-SDI / 3G-SDI)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	200mm (W) x 140mm (D) x 30mm (H)
Gross Weight:	1060g
Net. Weight:	840g
Packaging:	Boxed

3G-SDI Extender with HDMI Scaler

The PRO-3GSDIHDMI Extender with HDMI Scaler allows SD-SDI, HD-SDI, and 3G-SDI signals to be displayed on HDMI or SDI screens. These signals can be extended over long distances using the SDI 'loop-through' facility which equalises and re-clocks the signal each time it is cascaded, whilst simultaneously outputting the source signal via the HDMI output.

FEATURES

- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Equalized and re-clocked loop output
- Dual audio outputs; coaxial and analogue stereo
- Integrated audio de-embedder for a maximum of 8 channels of 48kHz audio
- Auto video mode detection (3G/SD/HD)
- Conversion from SMPTE 425M level B to Level A for 1080p 50/59.94/60 4:2:2 10-bit
- Video Support: SD - 480i, 576i; HD - 720p 50/60, 1080i 50/60, 1080p 24/25/30; 3G - 1080p 50/60
- Frequency Bandwidth - 225MHz (HDMI 1.3)
- Supports SDI signal distance up to 300m for SD signal, 200m for HD signal and 100m for 3G signals
- Supplied with Locking PSU



SPECIFICATIONS

Input:	1x BNC (1x SD-SDI / HD-SDI / 3G-SDI)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RCA (1x Analogue Stereo (L/R)), 1x BNC (1x Loop Output SD-SDI / HD-SDI / 3G-SDI), 1x RCA (1x Coaxial 2 Channel LPCM)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	180mm (W) x 140mm (D) x 25mm (H)
Gross Weight:	880g
Net. Weight:	640g
Packaging:	Boxed

PRO-H2-3GSDI

HDMI to 3G-SDI Dual Output Converter

The PRO-H2-3GSDI Dual Output Converter accepts non-HDCP protected HDMI content and will convert to dual 3G-SDI outputs simultaneously. This is perfect for extending HDMI signals over long distances (300m for SD signals) to two displays. This device benefits from a 2-channel (L/R) audio input allowing DVI signals with 2-channel audio to be converted to SDI. In addition, the PRO-H2-3GSDI has a built-in EDID management system, with EDID recorder, which ensures the highest level of source and screen compatibility.

FEATURES

- Supports HDMI timing: 480i, 576i, 720p50/60, 1080p 24/25/30, 1080i 50/60, 1080p 50/60
- This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video outputted.
- Simultaneous display HDMI source on two SDI displays
- When a DVI signal goes through HDMI, the L/R audio can be sent with it to the 3G SDI output
- Integrated audio embedded up to 8 channel PCM 48kHz for HDMI or 2CH for DVI audio
- Choose between a selectable EDID and recordable EDID
- Operation at 2.970Gbit/s, 2.970/1.001Gbit/s, 1.485Gbit/s, 1.485/1.001Gbit/s and 270Mbits/s
- Connect with other units (SDI to HDMI) to extend your signal over long distances
- Frequency Bandwidth 225MHz/link (HDMI 1.3)
- Auto video mode detection (3G/SD/HD)
- Supports signal transmission distances of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals
- Supplied with Locking PSU

SPECIFICATIONS

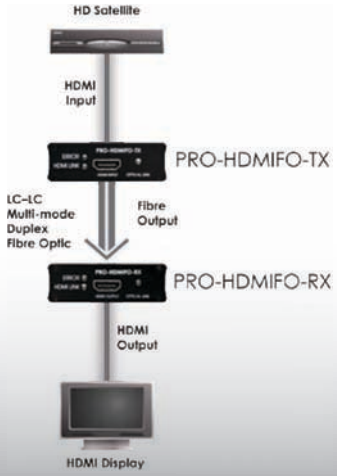
Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RCA (1x Analogue Stereo (L/R))
Output:	2x BNC (2x SD-SDI / HD-SDI / 3G-SDI)
Power:	5V/2.6A DC (US/EU standards, CE/FC C/UL certified)
Dimensions:	125mm (W) x 115mm (D) x 30mm (H)
Gross Weight:	660g
Net. Weight:	520g
Packaging:	Boxed

HDMI to Optical Transmitter & Receiver Set

The PRO-HDMIFO-KIT is a Transmitter and Receiver set for sending HDMI signals over long distances via Fiber Optic cabling. Connect a HDMI source to the Transmitter unit and the uncompressed signal will be passed over fiber optic to the Receiver where it is outputted as HDMI for connection to the display. HDMI Transmission distances of up to 300m can be achieved using this advanced fiber optic technology.

FEATURES

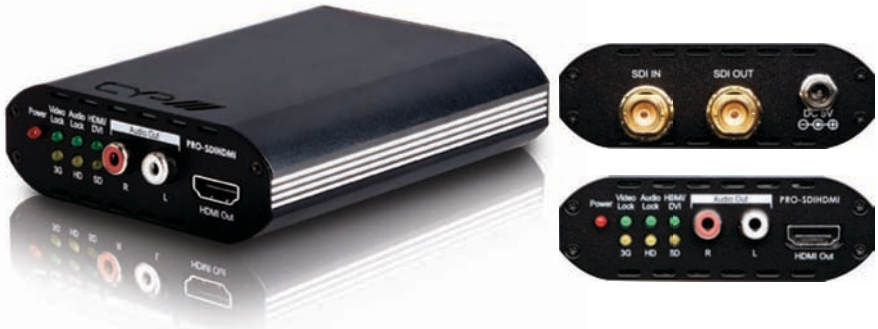
- HDMI v1.2, HDCP and DVI compliance
- Long distance transmission up to 300m
- Fast data transmission
- FPGA-based solution
- Supports EDID reading and CEC function
- Supports HD resolutions: 480i to 1080i, plus 1080p24/25/30
- Supplied with Locking PSU



SPECIFICATIONS

PRO-HDMIFO-TX	
Inputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Outputs	1x LC-LC Duplex Multimode 62.5-125 Fiber (1x HDMI & Propriety Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	140mm (W) x 65mm (D) x 23mm (H)
Net Weight:	280g
PRO-HDMIFO-RX	
Inputs	1x LC-LC Duplex Multimode 62.5-125 Fiber (1x HDMI & Propriety Data)
Outputs	1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	140mm (W) x 65mm (D) x 23mm (H)
Net Weight:	280g
Gross Weight:	760g
Packaging:	Boxed

SDI to HDMI Converter with SDI Bypass



The PRO-SDIHDMI Converter accepts SD-SDI, HD-SDI, and 3G-SDI signals and converts to HDMI. The SDI input also has a bypass which is outputted simultaneously alongside the HDMI output allowing the SDI signal to be extended over distances up to 300m. This device also has the added benefit of an integrated audio de-embedder for sending 2-channel (L/R) audio to an AV amplifier.

FEATURES

- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Equalised and re-clocked loop output
- Integrated audio de-embedder for max 8 channels of 48kHz audio
- Auto video mode detection (3G/SD/HD)
- Conversion from SMPTE 425M level B to Level A for 1080p 50/59.94/60 4:2:2 10-bit
- Cascade multiple units for extending the signal longer distances
- Simultaneous display with SDI and HDMI signal
- Supports SDI signal distance up to 300M for SD signal, 200M for HD signal and 100M for 3G signal
- Frequency Bandwidth 225MHz/link (HDMI 1.3)
- Supplied with a Locking PSU

SPECIFICATIONS

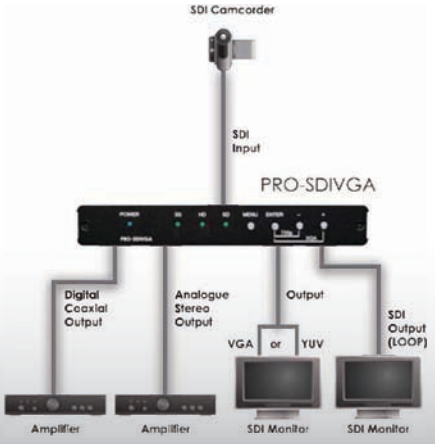
Input:	1x BNC (1x SD-SDI / HD-SDI / 3G-SDI)
Output:	1x BNC (1x Loop SD-SDI / HD-SDI / 3G-SDI), 2x RCA (1x Analogue Stereo (L/R)), 1x HDMI (1x HDMI Uncompressed AV and Data)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	110mm (W) x 85mm (D) x 30mm (H)
Gross Weight:	640g
Net. Weight:	400g
Packaging:	Boxed

SDI Extender with PC/HD Scaler & Audio

The PRO-SDIVGA Scaler with Audio allows SD-SDI, HD-SDI, and 3G-SDI signals to be scaled to RGBHV (PC) and YUV (HD) resolutions. Audio is supported via a digital coaxial output or 2-channel (L/R) RCA connections. The SDI input also has a bypass which is outputted simultaneously alongside the PC/HD output allowing the SDI signal to be extended over distances up to 300m.

FEATURES

- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Equalised and re-clocked loop output
- Dual audio outputs: Coaxial and Analogue Stereo
- Auto video mode detection (3G/SD/HD)
- Conversion from SMPTE 425M level B to Level A for 1080p 50/59.94/60 4:2:2 10-bit
- Video Input Support: SDI: 480i, 576i, 720p 50/60, 1080i 50/60, 1080p 24/25/30, 1080p 50/60
- Video Output Support: PC VGA to WUXGA@60 (RB); YUV - 480i, 576i, 720p 50/60, 1080i 50/60, 1080p 50/60
- Supports SDI signal distance up to 300M for SD signal, 200M for HD signal and 100M for 3G signal.
- Supplied with Locking PSU



SPECIFICATIONS

Input:	1x BNC (1x SD-SDI / HD-SDI / 3G-SDI)
Output:	1x BNC (1x Loop SD-SDI / HD-SDI / 3G-SDI), 1x RCA (1x Coaxial 2 Channel LPCM), 2x RCA (1x Analogue Stereo (L/R)), 1x 15pin Dsub (1x Analogue RGBHV / YPbPr Component / YCbCr Component)
Power:	5V/2.6A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions:	180mm (W) x 140mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	860g
Packaging:	Boxed

Tropical Holidays
Bargain Flights Available Now

Digital Signage

New Range

CYP digital signage solutions offer the professional installer integrated solutions for both 42" and 47" high definition displays. An installer can create standard 2x2, 3x3, 4x4, 5x5 layouts or other unique configurations including 2x6, 1x4 and 2x3 etc. Literally any combination of height and width is available depending on the source. All solutions offer internal control boxes, full 1080P resolutions, RS-232, IR integration and vertical or horizontal orientation.

www.cypeurope.com

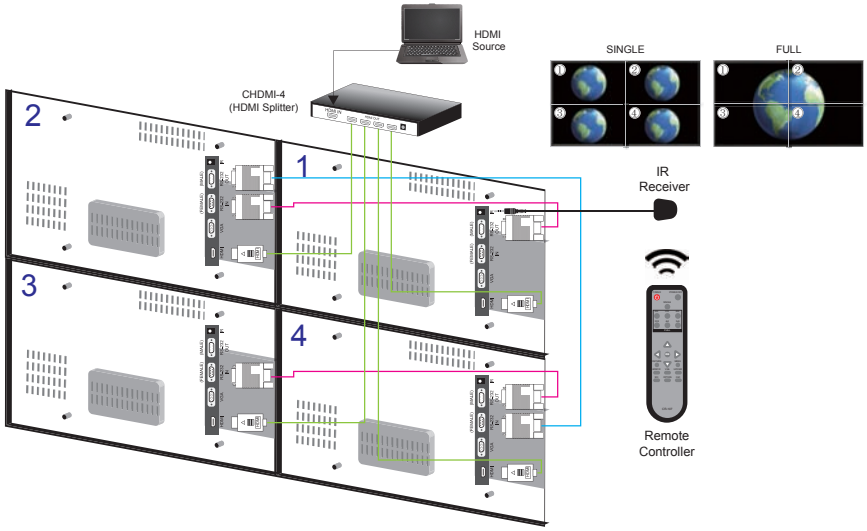
Flexibility is the key to CYP Digital Signage Solutions. There are several packages which provide a complete system solution for many commercial and retail applications. The packages utilise two screen types - 42" LCD with 10mm bezels, and 47" LED Super Slim Screen with 6mm bezels. Each of these screen options include built-in control modules and use the latest technology accepting full 1080p input resolutions, with bi-directional RS-232 control functionality enabled, and can be installed in an limitless number of configurations.

To keep things simple, we have prepared standard packages to meet the requirements of most applications, although fully bespoke systems are available upon request. The standard packages include a Single screen option, 2x2, 3x3, 4x4 and a 5x5 digital signage system which are supplied with a complete mounting system, distribution amplifiers to suit, and controls. Just connect your source and you're ready to go.

FEATURES

- Supports 4-Screen (2x2), 9-Screen (3x3), 16-Screen (4x4), or 25-Screen (5x5) video wall panel combinations.
- Supports Full 1080p input resolutions.
- Full two-way RS-232 Control.
- Horizontal or Vertical Screen Orientation.
- Single Image or Independent Split Screen Images.
- Independent Controller available for integration with third-party Screens.

42" LCD Screen Digital Signage Solutions

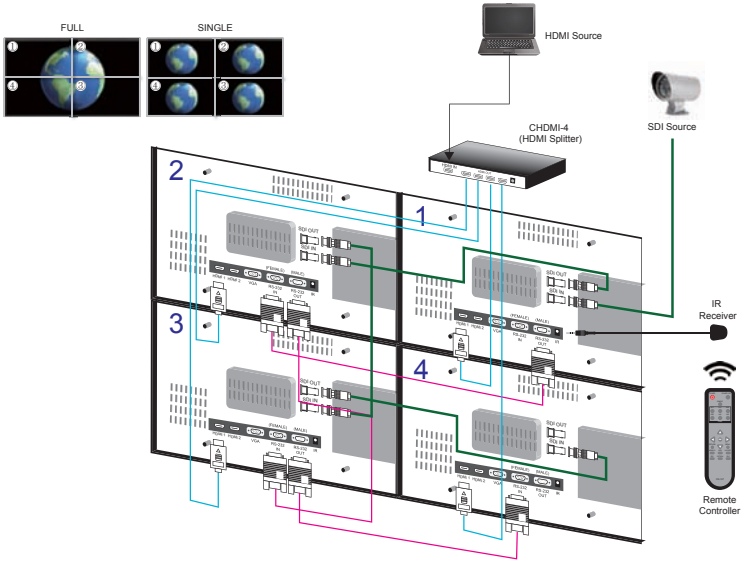


42" LCD Screen Systems

Product Code	Description
DS-42A	Single 42" 1080P LCD Screen with HDMI & VGA Connections (10mm bezel)
DS-42A22 2x2 Video Wall System	4 x 42" 1080P LCD Screens (with HDMI & VGA Connections) 4 x Wallmount Kit * 1 x 4-way splitter 1 x IR remote and cable
DS-42A33 3x3 Video Wall System	9 x 42" 1080P LCD Screens (with HDMI & VGA Connections) 9 x Wallmount Kit * 1 x 10-way splitter 1 x IR remote and cable
DS-42A44 4x4 Video Wall System	16 x 42" 1080P LCD Screens (with HDMI & VGA Connections), 16 x Wallmount Kit * 1 x 16-way splitter 1 x IR remote and cable
DS-42A55 5x5 Video Wall System	25 x 42" 1080P LCD Screens (with HDMI & VGA Connections), 25 x Wallmount Kit * 2 x 16-way splitter 1 x IR remote and cable

** 42" LED Screens can be mounted horizontally or vertically. Please specify your requirements when ordering.*

47" LED Super Slim Screen Digital Signage Solutions



47" Super Slim LED Screen Systems

Product Code	Description
DS-47A	Single 47" LED Screen with HDMI, SDI & VGA Connections (6mm bezel)
DS-47A22 2x2 Video Wall System	4 x 47" LED Screens (with HDMI, SDI & VGA Connections) 4 x Horizontal Wallmount Kit 1 x IR remote and cable
DS-47A33 3x3 Video Wall System	9 x 47" LED Screens (with HDMI, SDI & VGA Connections) 9 x Horizontal Wallmount Kit 1 x IR remote and cable
DS-47A44 4x4 Video Wall System	16 x 47" LED Screens (with HDMI, SDI & VGA Connections) 16 x Horizontal Wallmount Kit 1 x IR remote and cable
For SDI Sources	Connect the source to the SDI input on screen #1. Link the SDI output from screen #1 to the SDI input of screen #2. Continue to link the screens together in this way until all screens are connected via their built-in SDI connections.
For Non-HDCP HDMI Sources	Use the PRO-H2-3GSDI HDMI to 3G-SDI Converter and connect the SDI output to the screens as described for SDI Sources.
For HDMI Sources (with HDCP) use:	CHDMI-4: 1 to 4 HDMI Splitter for 2x2 Screen configurations CHDMI-210T: 1 to 10 HDMI Splitter for 3x3 Screen configurations QU-16E: 1 to 16 HDMI Splitter for 4x4 Screen configurations

** 47" LED Screens can be mounted horizontally or vertically. Please specify your requirements when ordering.*

SCREEN SPECIFICATIONS		
Model No.	**DS-42A**	**DS-47A**
Screen Size	42 inches	47 inches
Panel Resolution	1920 x 1080	1366 x 768
Aspect Ratio	16 : 9	16 : 9
Response Time	8ms	12ms
Brightness	700cd/m²	700cd/m²
Contrast Ratio	3500 : 1	1400 : 1
Dynamic Contrast Ratio	10000 : 1	10000 : 1
Viewing Angle Range	178°	178°
VIDEO		
HDMI Compatibility	480p / 720p / 1080i / 1080p	480p / 720p / 1080i / 1080p
VGA Compatibility	Up to 1280 x 1024	Up to 1280 x 1024
SDI Compatibility	N/A	480i/ 576i/ HD-SDI-720p/ 1080i/ 3G-SDI-1080p
INPUT / OUTPUT		
HDMI Interface	1 Rear	2 Rear
SDI Interface	N/A	2 Rear (1 male, 1 female)
RS-232	2 Rear (1 male, 1 female)	2 Rear (1 male, 1 female)
15 Pin Dsub	1 Rear	2 Rear (1 male, 1 female)
IR Port	1 Rear	1 Rear
GENERAL		
Power Supply	AC 100~240VAC/5A (Max) 50-60Hz	AC 100~240VAC/5A (Max) 50-60Hz
Power Consumption	135W (Standby 1W)	150W (Standby 1W)
OSD Languages	English, Chinese	English, Chinese
Dimension (HxWxD)	955mm x 550mm x 83mm	1046mm x 591mm x 115mm
Bezel Size	10mm	Total 6mm (4mm left + 2mm right)
Package Dimension (HxWxD)	1080mm x 690mm x 220mm	1185mm x 745mm x 215mm
Net Weight	21 kgs	20.4 kgs
Gross Weight	23 kgs	21 kgs

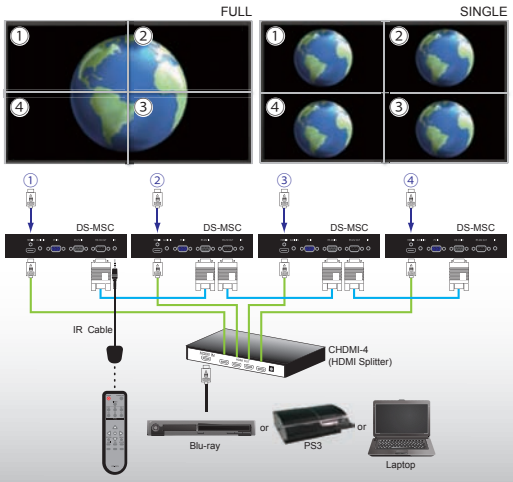
DS-MSC

Digital Signage Multi-Screen Controller

The DS-MSC is designed to emulate a video wall, when using third-party screens. This controller will control the digital signage content for each screen on a video wall system using up to 25 screens. One controller is required per screen. If the user has only one HDMI or VGA source, then an appropriate Distribution Amplifier (Splitter) will be required to split the source signal to each of the Multi-Screen Controllers feeding the screens.

FEATURES

- Supports many Horizontal and Vertical video wall screen combinations: 2x2(four screens), 3x2(six screens), 3x3(nine screens), 4x3(12 screens), 4x4(16 screens) and 5x5 (25 screens)
- Supports both HDMI and PC (with audio) input sources
- Resolution support up to full HD at 1080p
- Simple RS-232 control via cascaded RS-232 cable between each video wall controller
- Supports external IR receiver for IR remote control
- Note: Requires HDMI or PC (with audio) signal splitter to distribute video/audio signal to each connected DS-MSC Controller



SPECIFICATIONS

Input:	1x HDMI (1x HDMI Uncompressed AV and Data), 1x Stereo mini-jack (1x Analogue Stereo(L/R)), 1x 15pin Dsub (1x RGBHV), 1x 9pin Dsub (1x RS-232 Data), 1x Stereo mini-jack (1x Infrared Receiver)
Output:	1x HDMI (1x HDMI Uncompressed AV and Data), 2x RCA (1x Analogue Stereo (L/R)), 1x 9pin Dsub (1x RS-232 Data)
Power:	5V/3A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	250mm (W) x 150mm (D) x 50mm (H)
Gross Weight:	880g
Net. Weight:	740g
Packaging:	Boxed

Glossary

24fps (24p) – refers to a video format that operates at 24 frames per second frame rate with progressive scanning.

5 GHz – Wireless technology using the unlicensed 5GHz frequency bands.

50 Hz – Common Frame rate (image change rate) for video within Europe.

60 Hz – Common Frame rate (image change rate) for video within America/Japan.

5.1 – Surround sound that delivers 6 channels of audio, 5 standard speakers and 1 Sub-woofer.

7.1 – Surround sound that delivers 8 channels of audio, 7 standard speakers and 1 Sub-woofer.

A

ADC (A/D Converter) – A IC Chip that converts analogue signals into digital.

AV – Products for recording, processing or reproduction of picture and/or sound are given this label.

B

Bit – In computer and digital terminology a bit is the smallest unit of data. It is expressed in binary notation so that it is either 0 or 1—basically an 'off' or an 'on' switch. The word 'bit' is an amalgam of 'binary' and 'digit'.

Bit rate – The number of bits that are transferred or processed per unit of time.

Bitstream – Is the digital form of multi-channel audio data (e.g., 5.1 channel) before it is decoded into its various formats.

Block Noise Reduction – MPEG digital video compression works by compressing square areas of pixels. Under some conditions, an artifact called 'block noise' can occur in the picture. Block Noise Reduction processes the noise blocks so that they become less visible.

Blu-ray – The Blu-ray Disc™ is a high-density optical disc format designed for storage of high-definition video and data.

C

Coaxial Digital Audio – Coaxial digital cables are the most common type of connection cable used for digital audio. They look similar to the RCA cables that many people use and are familiar with. The only difference is that it carries digital instead of analogue signals.

Component Video – Video signal is separated into its component form i.e. red, green (sync) and blue and referred to as YUV. (also see YPbPr and YCbCr). Component Video signal is the same as YUV where Y = luminance Pb = blue minus luminance and Pr = red minus luminance.

Composite Video – The composite video signal is where the luminance and chrominance are mixed together with sync information down a single cable.

Chrominance – Is the signal used in video systems to convey the colour information of the picture.

Glossary

D

DAC (D/A converter) – An IC Chip that converts digital signals into analogue.

Deep Colour – Is a term used to describe a gamut (colour space) comprising a billion or more colours. The HDMI 1.3 specification supports Deep Colour bit depths. It defines bit depths for Deep Colour as 30 (10) bits (1.073 billion colours), 36 (12) bits (68.71 billion colours), and 48 (16) bits (281.5 trillion colours).

Dolby TrueHD – Dolby TrueHD is an advanced lossless multi-channel audio codec developed by Dolby Laboratories which is intended primarily for high-definition home-entertainment equipment such as Blu-ray discs.

Dolby Digital Plus (DD+) – A digital audio compression format developed from the earlier Dolby Digital, increasing quality and available channels.

DTS-HD Master Audio – Is a lossless audio codec created by Digital Theater System, developed from the earlier DTS with increased sampling frequency and bit rate.

Dynamic Range – Dynamic range describes the ratio of the quietist sound to the loudest sound in a musical instrument or piece of electronic equipment.

Downscaling – Is the reduction of video signal from one size (resolution) to another

DVI – Digital Video Interface is a video interface standard designed to provide very high visual quality on digital display devices such as flat panel LCD displays and digital projectors.

Digital Noise Reduction – Eliminates unwanted colour noise from the video signal for smoother image reproduction.

De-interlaced Video – A video image is made up of a series of still images played in rapid succession, this is divided into a series of scan lines drawn on the display, de-interlaced video draws all these scan lines in one pass.

E

Ethernet – A PC interface used to connect computers and peripherals in a Local Area Network (LAN).

F

Full HD – 1920 x 1080p (progressive) video resolution.

G

H

HD – High Definition.

HD Ready – TVs that can display High Definition content in both 720p and 1080i formats as a minimum standard.

HDD – Hard disk drive.

HDTV – High definition television.

Glossary

HDMI – stands for High-Definition Multimedia Interface and provides an easy and convenient way of connecting digital audio-video components.

HDMI v1.x – different HDMI specifications released by HDMI LLC.

HDCP – Stands for High-bandwidth Digital Content Protection. It is a copy-protection scheme developed by Intel to be used in conjunction with DVI and HDMI connections.

I

Interlaced Video – A video image is made up of a series of still images played in rapid succession, this is divided into a series of scan lines drawn on the display, interlaced video draws all these scan lines in two passes.

IP – Internet protocol.

IR – Infrared, commonly used as a wireless line of sight control for AV equipment.

J

JPEG – stands for Joint Photographic Experts Group, a consortium that has developed and spread this format worldwide. It is a compression format that efficiently stores digital images.

K

L

LCD – Liquid Crystal Display, high quality LCD display gives a clearer picture with excellent colour, contrast and detail, also used with some projectors.

LED – Light-emitting Diode, a semiconductor device that emits visible light when an electric current passes through it.

LPCM – Linear Pulse Code Modulation is an uncompressed audio technology. Instead of compressing sound data, it simply stores the information as it is, giving you an exact copy of the original. Various bit and sampling rates can be used.

Luminance – This is the signal used in video systems to convey the light information of the picture.

M

MPEG4 – Stands for Motion Picture Experts Group and represents a family of digital audio and video coding standards. MPEG4 has a high compression ratio, which creates a small file size that is suitable for personal computer and Internet applications.

Motion Adaptive Field Noise Reduction – This new noise-reduction technology reduces background noise, without having an effect on moving objects.

N

NTSC – In the US and Japan, NTSC (National Standards Television Committee) is the standard used for all video equipment. NTSC uses 525 lines to make up a TV picture and scans at 60 Hz.

Glossary

O

OSD – On Screen Display.

Optical Digital Audio – Optical digital cables use the Toslink connector, these use pulses of light to transmit digital audio data. Optical uses light thus it is immune to interference from electromagnetic and radio frequencies.

P

PAL – Phase Alternation Line, this is the video standard used most commonly in Europe. PAL uses 625 lines to make up a TV picture and scans at 50Hz.

PCM – Pulse Code Modulation, digital bitstream audio format commonly supporting 16 bit up to 48 KHz sampling frequency in stereo.

Pixel – Short for Picture Element, Pixels are the tiny dots of information that make up a digital image. The more pixels there are on the camera's image sensor (CCD or CMOS) or display, the higher the image resolution will be.

Progressive Scan – a sales term for describing de-interlaced video.

PVR – Personnel Video Recorder, a device that records video without videotapes or discs.

Pass Through – Video by-pass output; outputs an additional copy of the original input signal.

R

Receiver (RX) – Receives AV signals through various interconnects after being sent by compatible transmitter.

RCA – Recording Company of America, RCA (or Phono) is the standard way of connecting audio and video components.

RGB – Stands for red, green and blue. A video connector or lead which offers RGB output carries these primary colours separately for greater picture quality.

RJ45 – The RJ45 is a connector used on CAT cabling for connecting computers and other devices to local area networks (LANs).

RS-232 – Is a voltage loop interface for two-way (full-duplex) communication.

Resolution – The amount of pixels in an image. The higher the resolution, the more detailed the picture will be.

S

Secam – The French broadcast system. Sequential Coleur A Memoire uses 625 lines scanned at 50 Hz.

S-Video – A high quality video connection which offers better picture quality than standard composite video. S-Video cables have round, mini four-pin plugs and sockets.

Sampling Rate – Sampling is the process of converting the heights of a sound wave (analogue signal) taken and converted at set periods into digits (digital encoding). Sampling frequency is the number of samples taken per second, so larger numbers mean more faithful reproduction of the original sound.

Glossary

SCART – An audio/video connector to carry the audio & video signals on one convenient cable.

SD – Standard Definition, traditional format used for TV made up of 576 (visible) Horizontal lines (PAL).

Stereo - Stereophonic sound, commonly called stereo, is the reproduction of sound using two or more independent audio channels through a symmetrical configuration of loudspeakers in such a way as to create the impression of sound heard from various directions, as in natural hearing.

T

TBC – Time Base Corrector, ensures optimum playback picture quality even in freeze frames or slow motion, and also compensates for any irregular movement of the tape transportation mechanism.

Transmitter – transmits AV signal through various interconnects and is accepted by a compatible receiver.

Toslink – see Optical digital audio

U

USB – Universal Serial Bus. A connection port for transferring digital data, generally used on PCs.

Upscaling – is the conversion of a video signal from one size (resolution) to another, upscalers increase the resolution.

V

W

Wireless – Devices which are Wi-Fi or Wireless enabled are able to connect to a local area network and send/receive data without the need for a physical (wired) connection.

X

xvYCC – extended gamut YCC (also called x.v.Colour) is a colour space that can be used in the video electronics of television sets to support a gamut 1.8 times larger than that of standard sRGB colour space.

Y

YPbPr – refers to Component video (YUV) at a higher resolution than standard definition.

YCbCr - refers to Component video (YUV) at standard definition.

Z

Pioneers in AV Distribution

CYP (UK) Ltd
Unit 6, Metro Ind. Centre
St. Johns Road,
Isleworth,
Middlesex,
TW7 6NJ
United Kingdom

T. +44 (0) 20 8232 8842
E. sales@cypeurope.com

Authorised Distributor Stamp:

www.cypeurope.com